

FIGURE 2

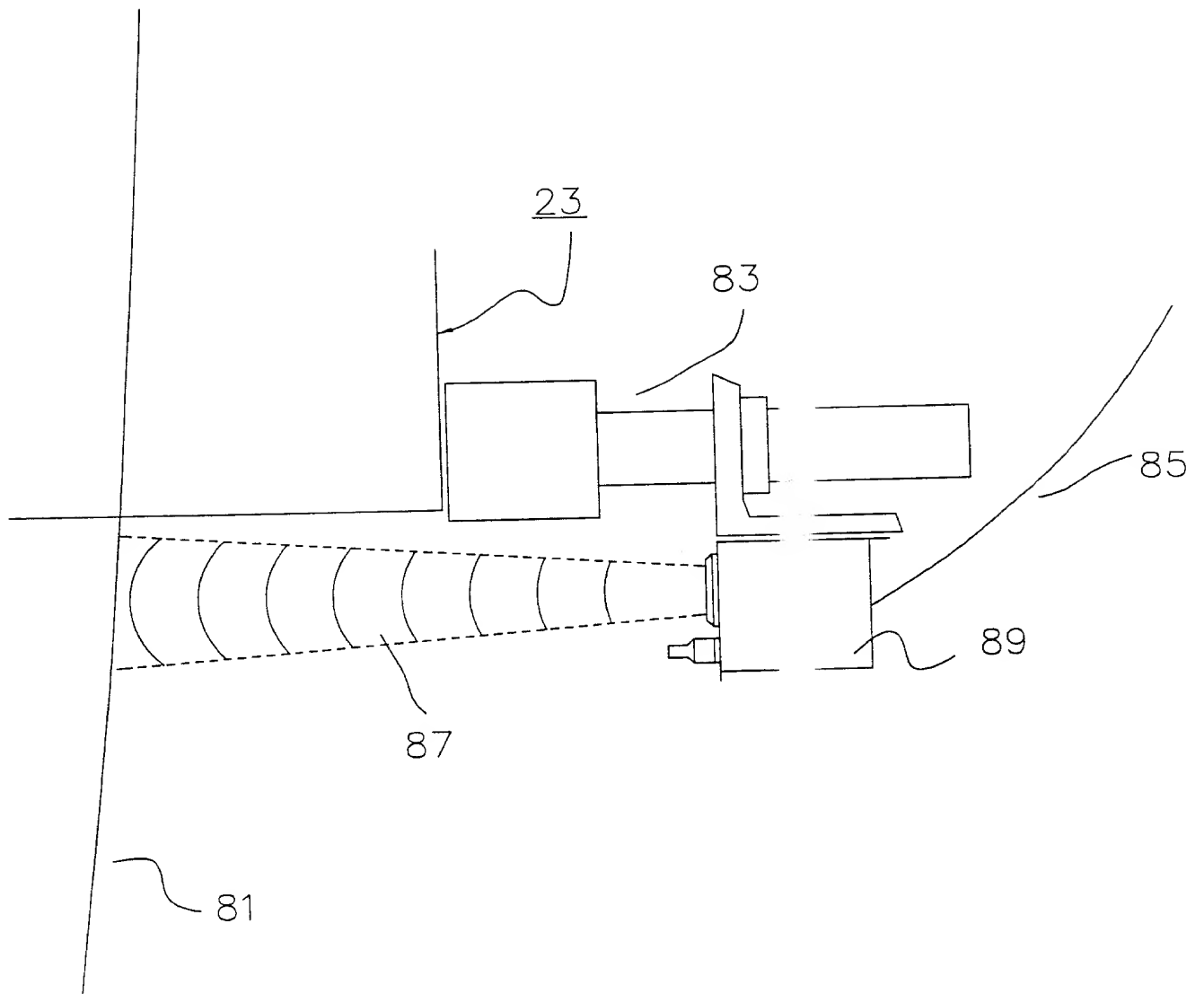


FIGURE 3

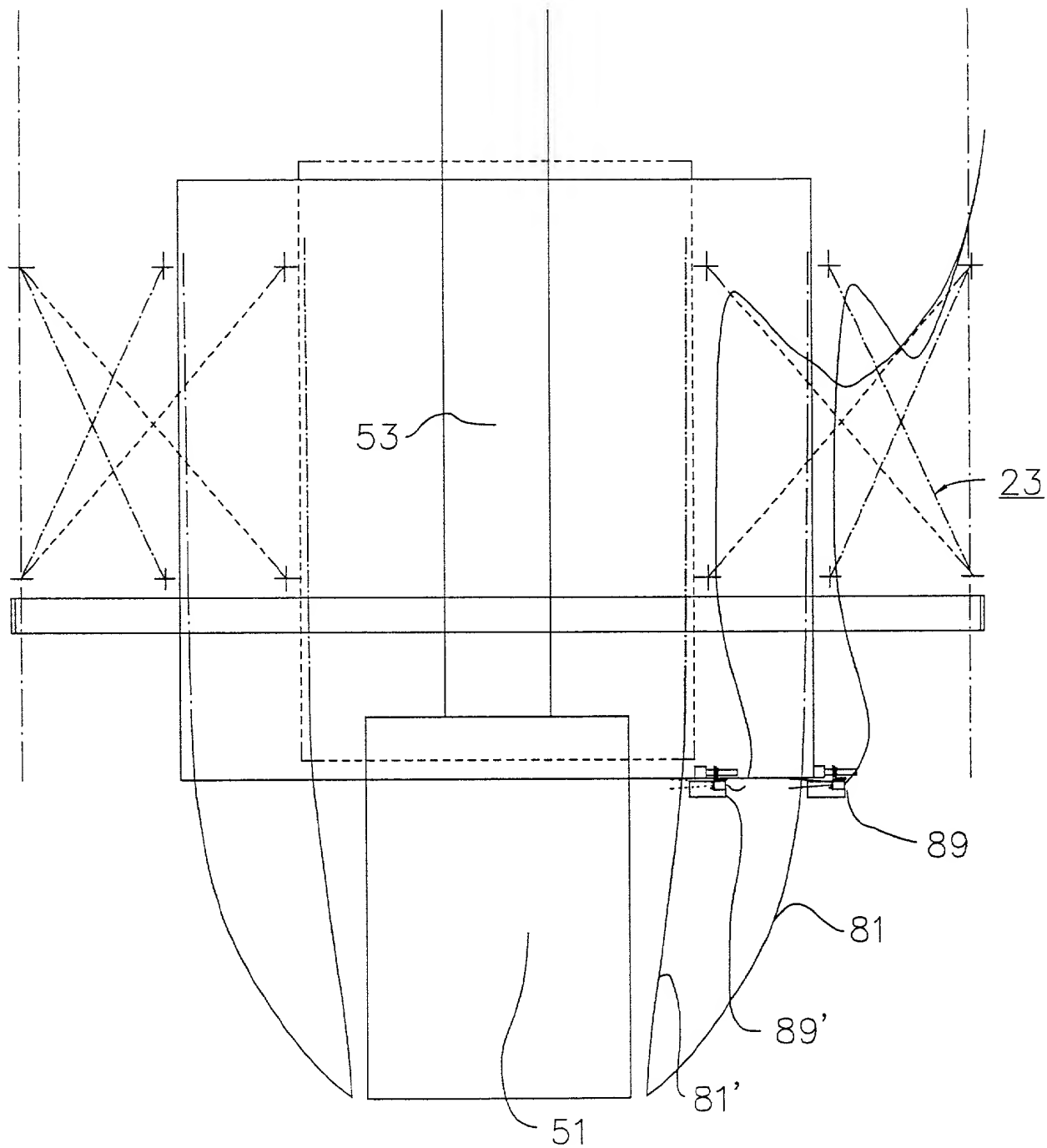


FIGURE 4

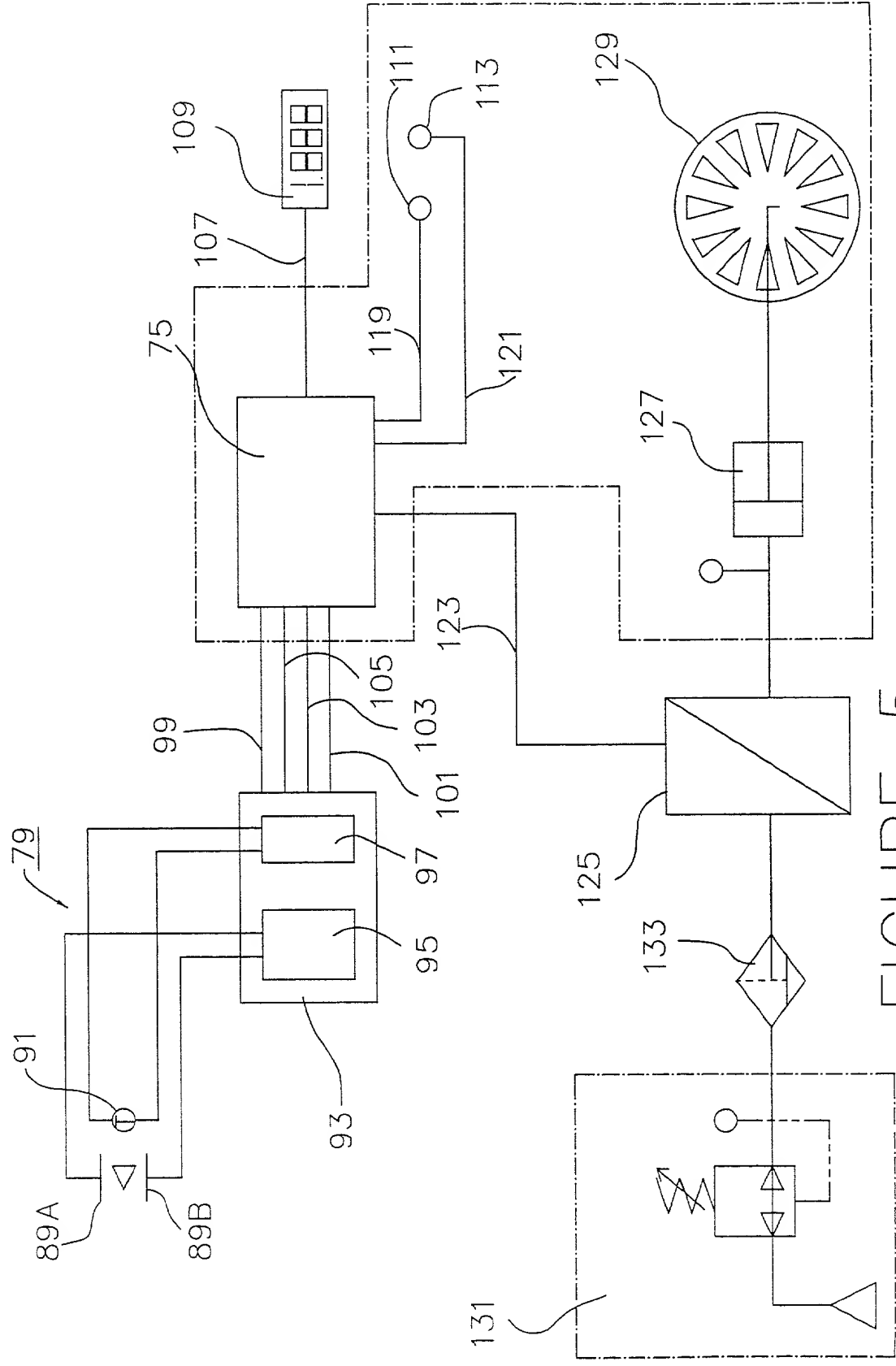


FIGURE 5

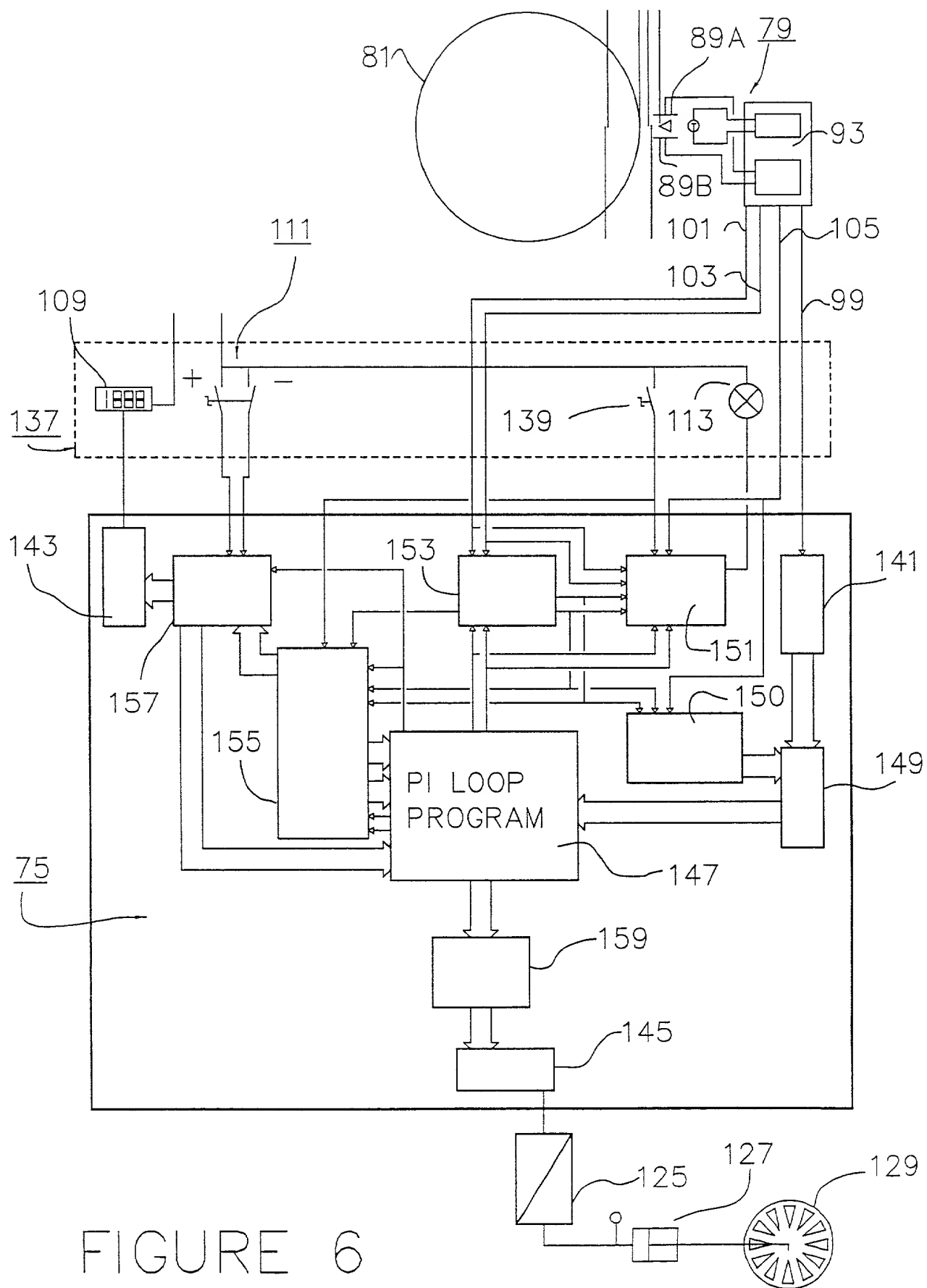


FIGURE 6

FIGURE 7A

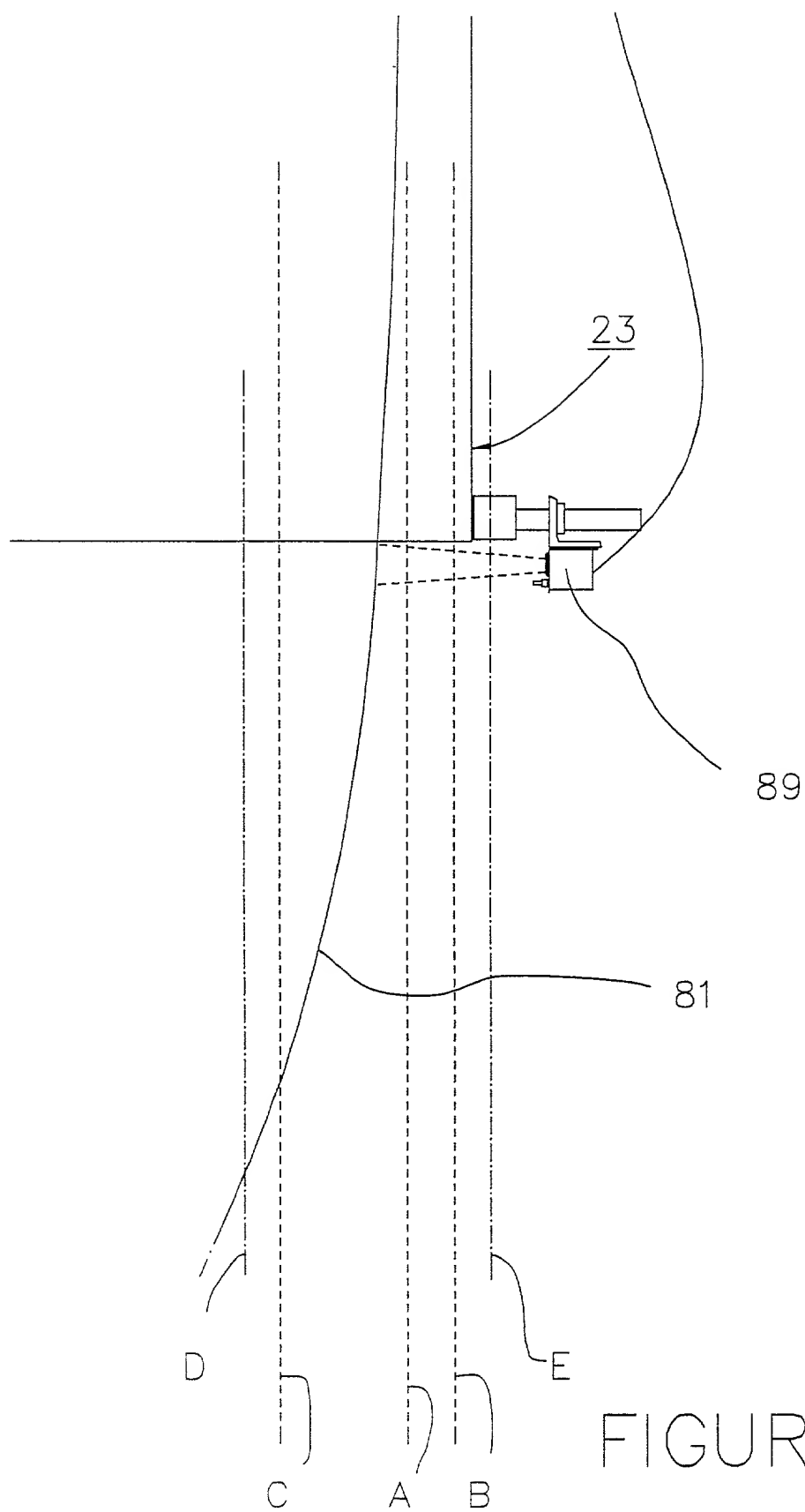


FIGURE 7B



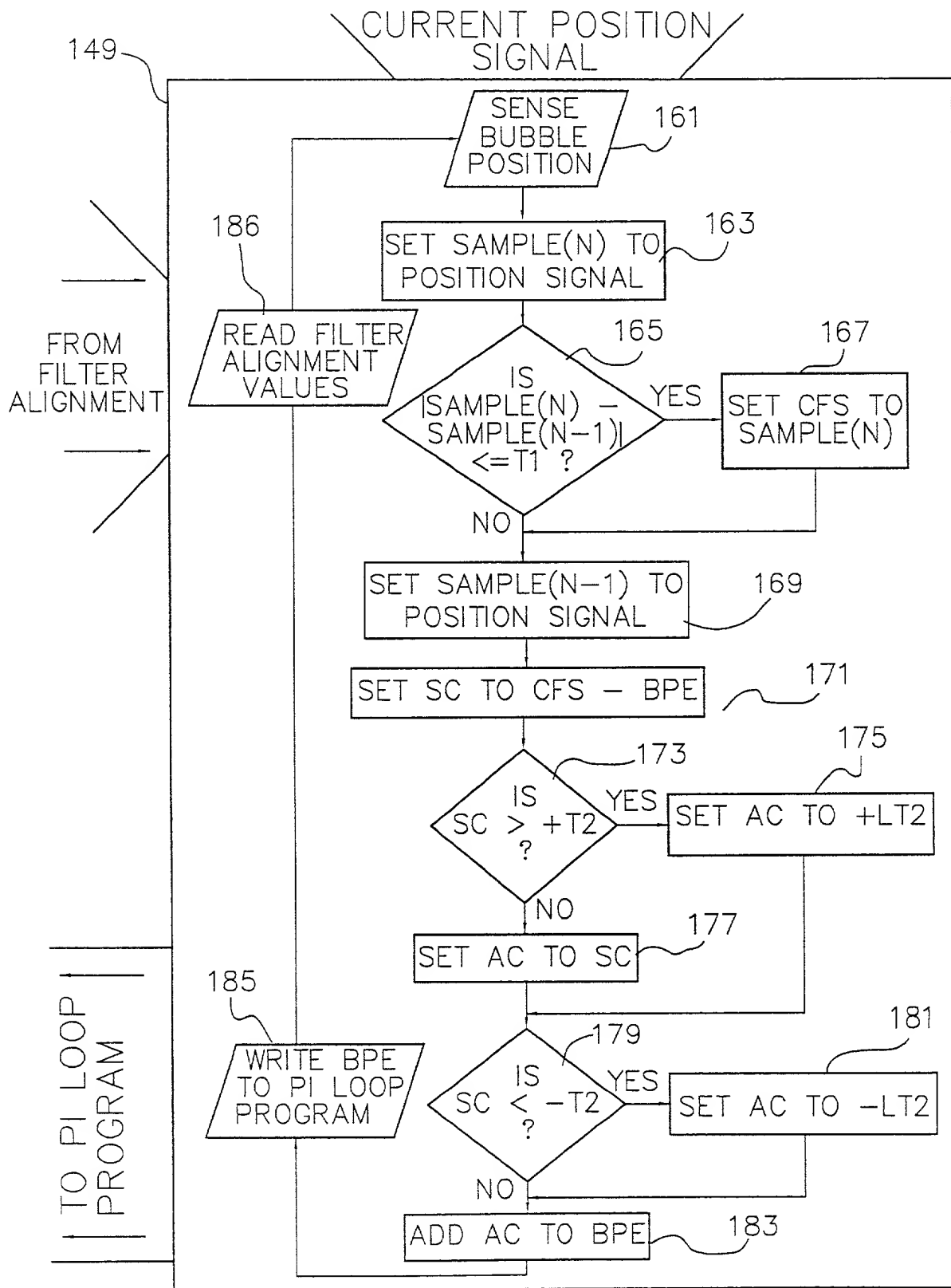
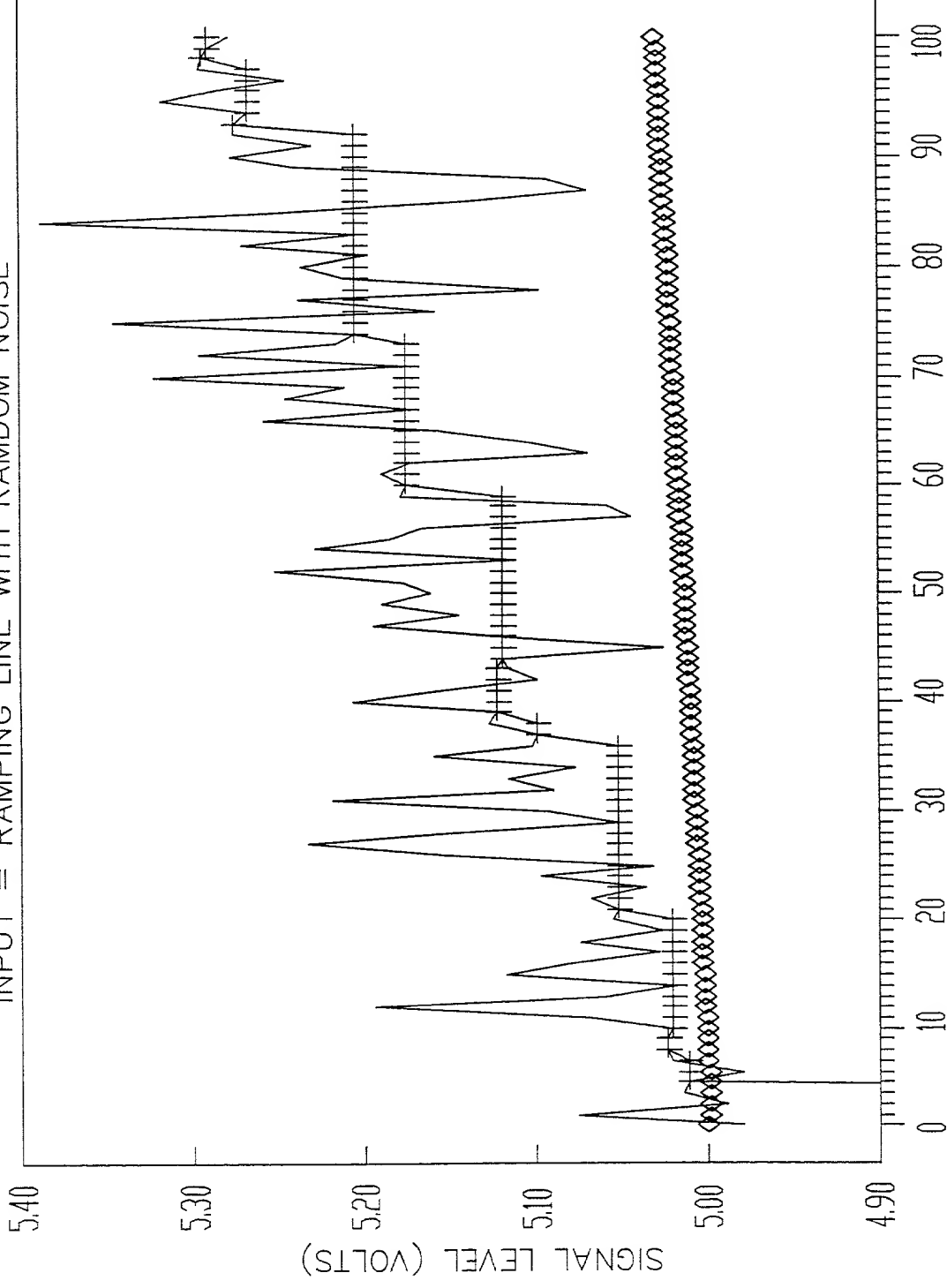


FIGURE 8A

# IS-IBC1 FILTER SIMULATION

INPUT = RAMPING LINE WITH RANDOM NOISE



TIME SAMPLE (.034 SECONDS)

—INPUT

+CFS

◇BPE

FIGURE 8B

FIGURE 9

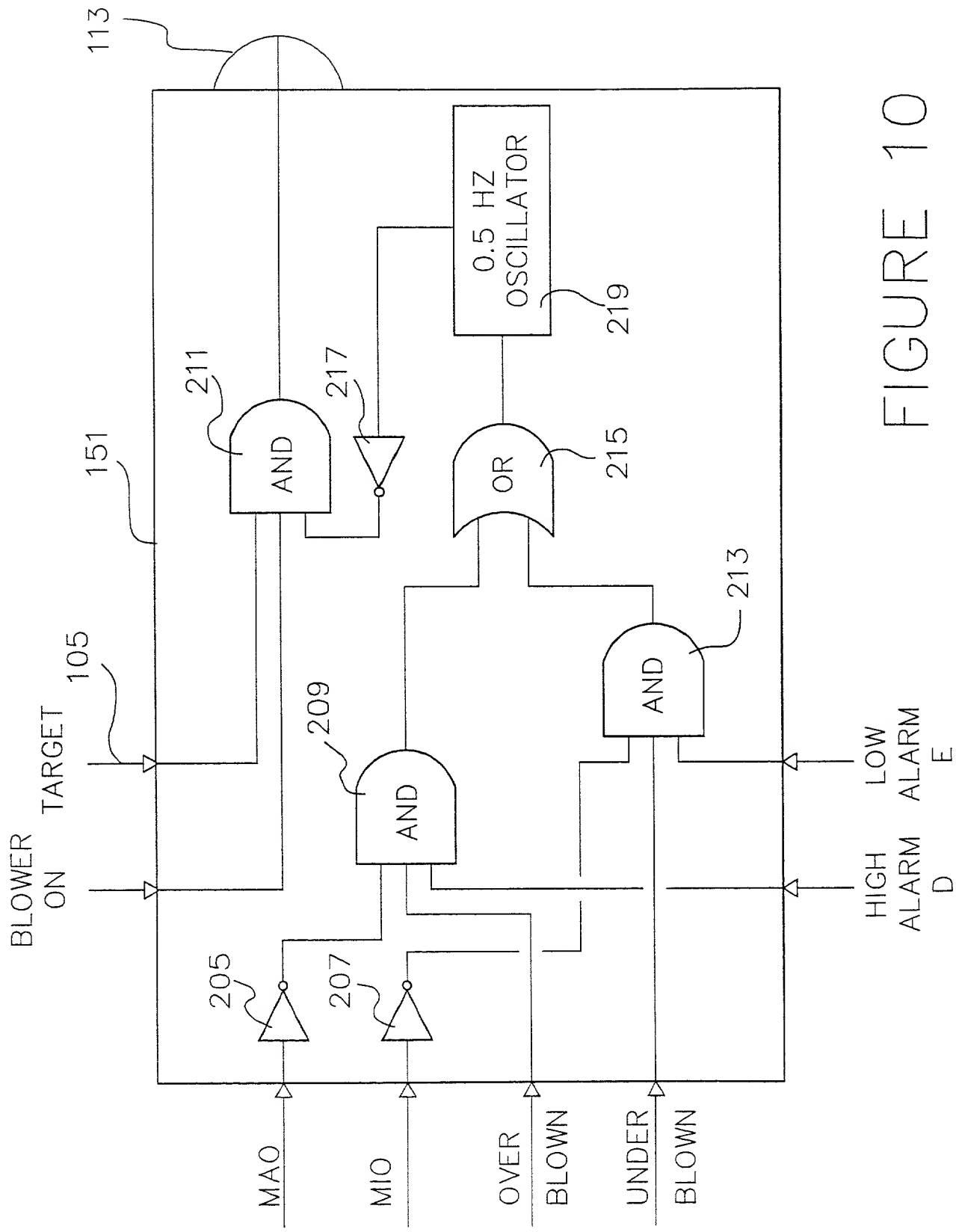


FIGURE 10



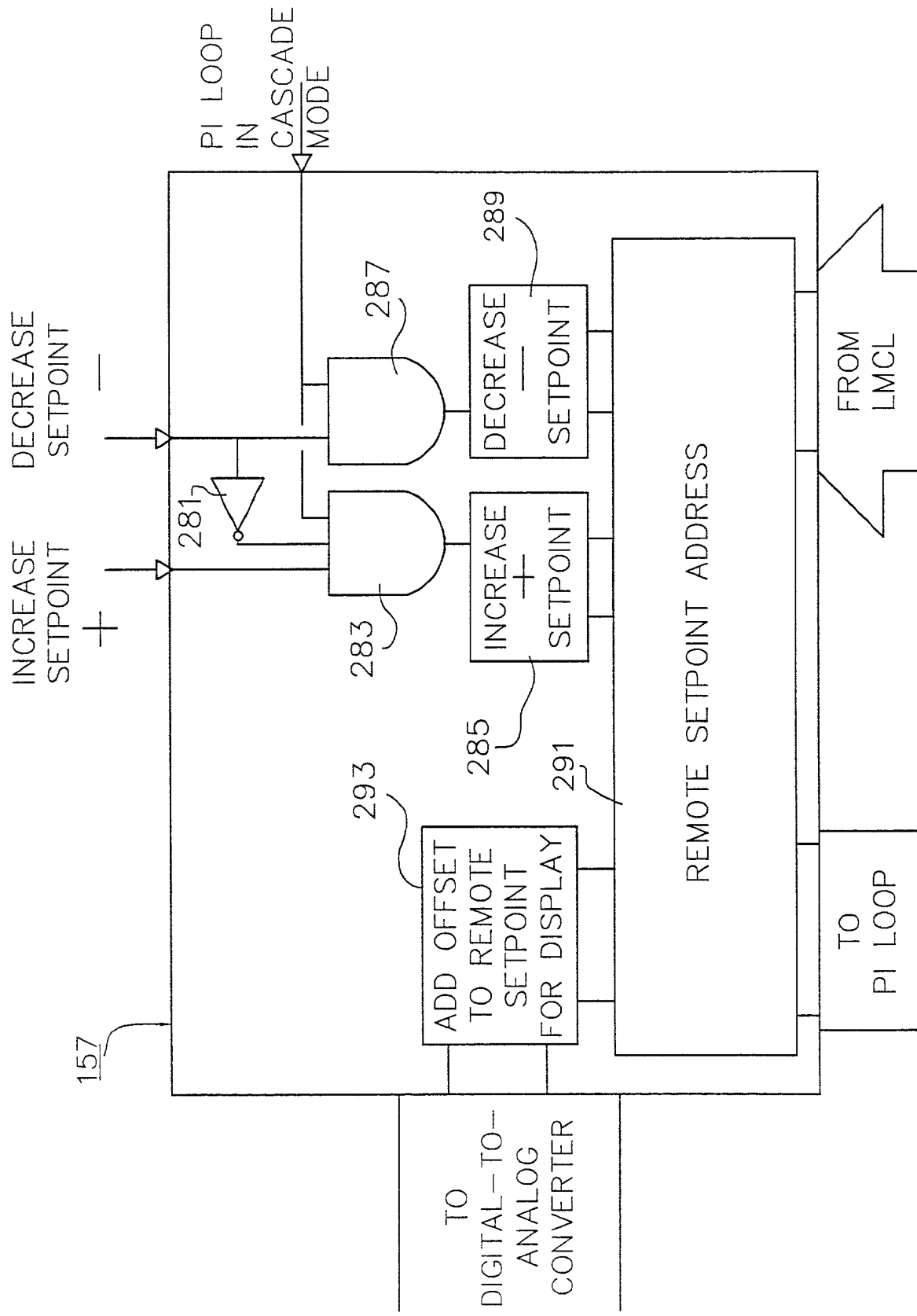


FIGURE 12

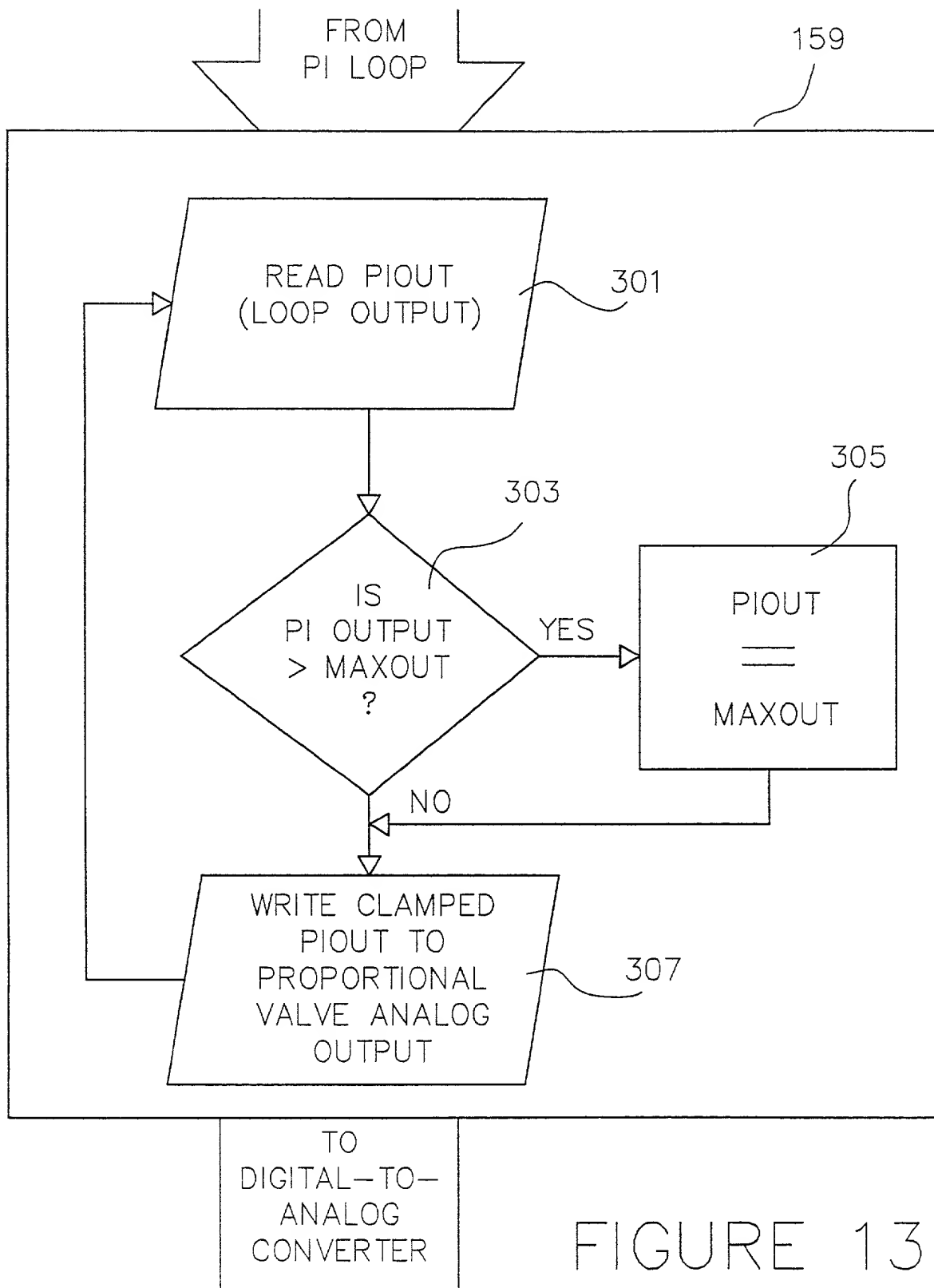


FIGURE 13

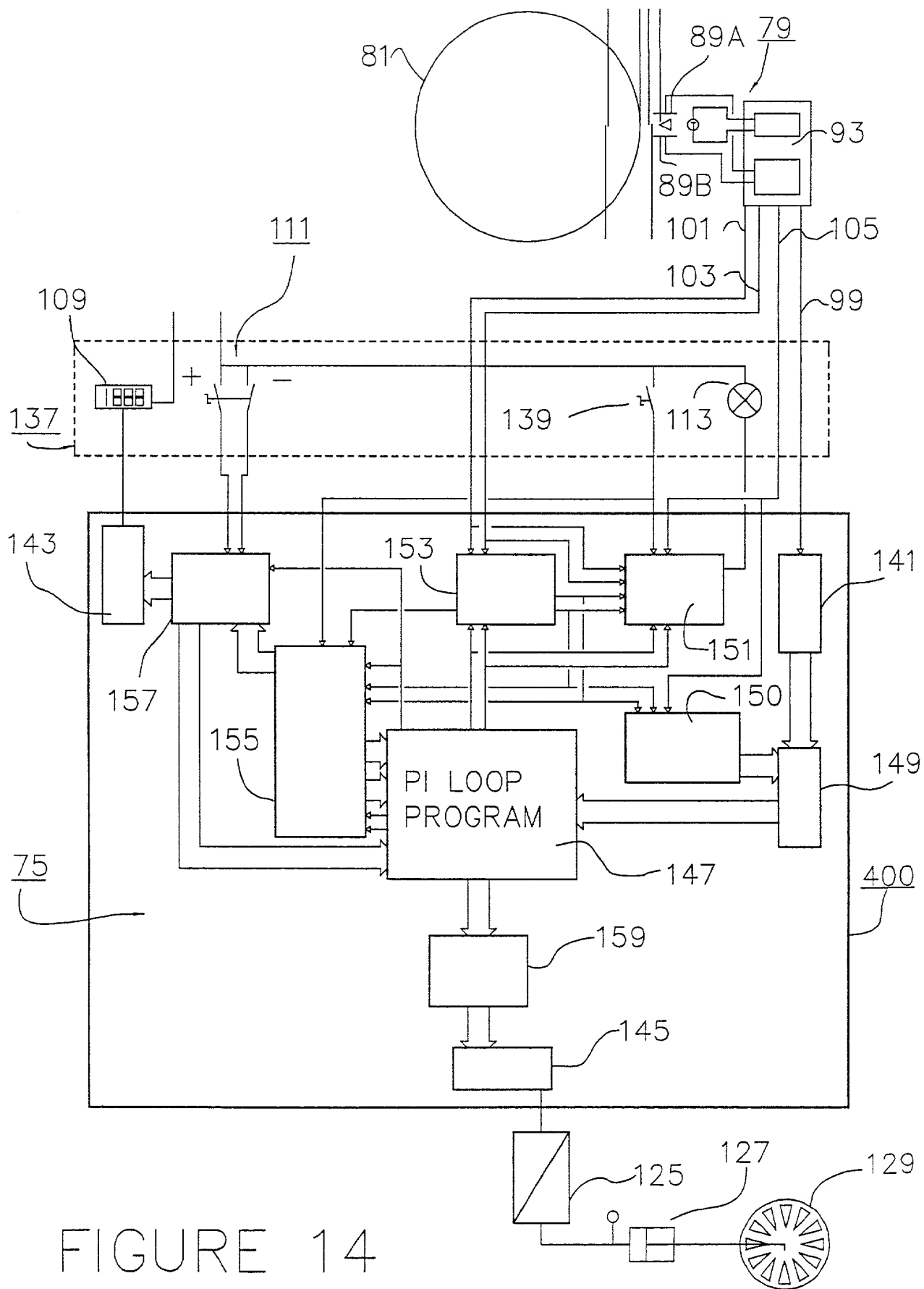


FIGURE 14





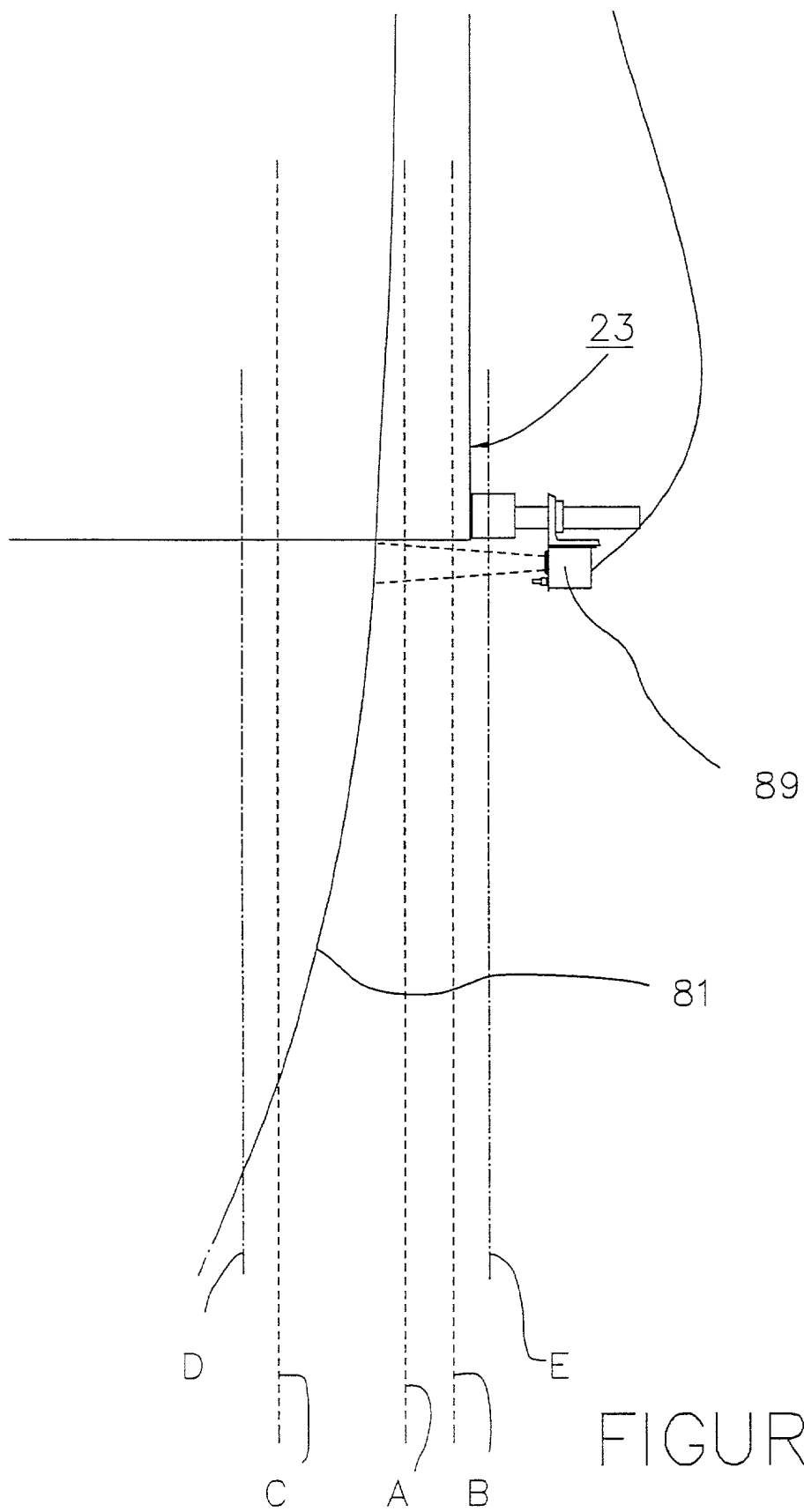


FIGURE 16

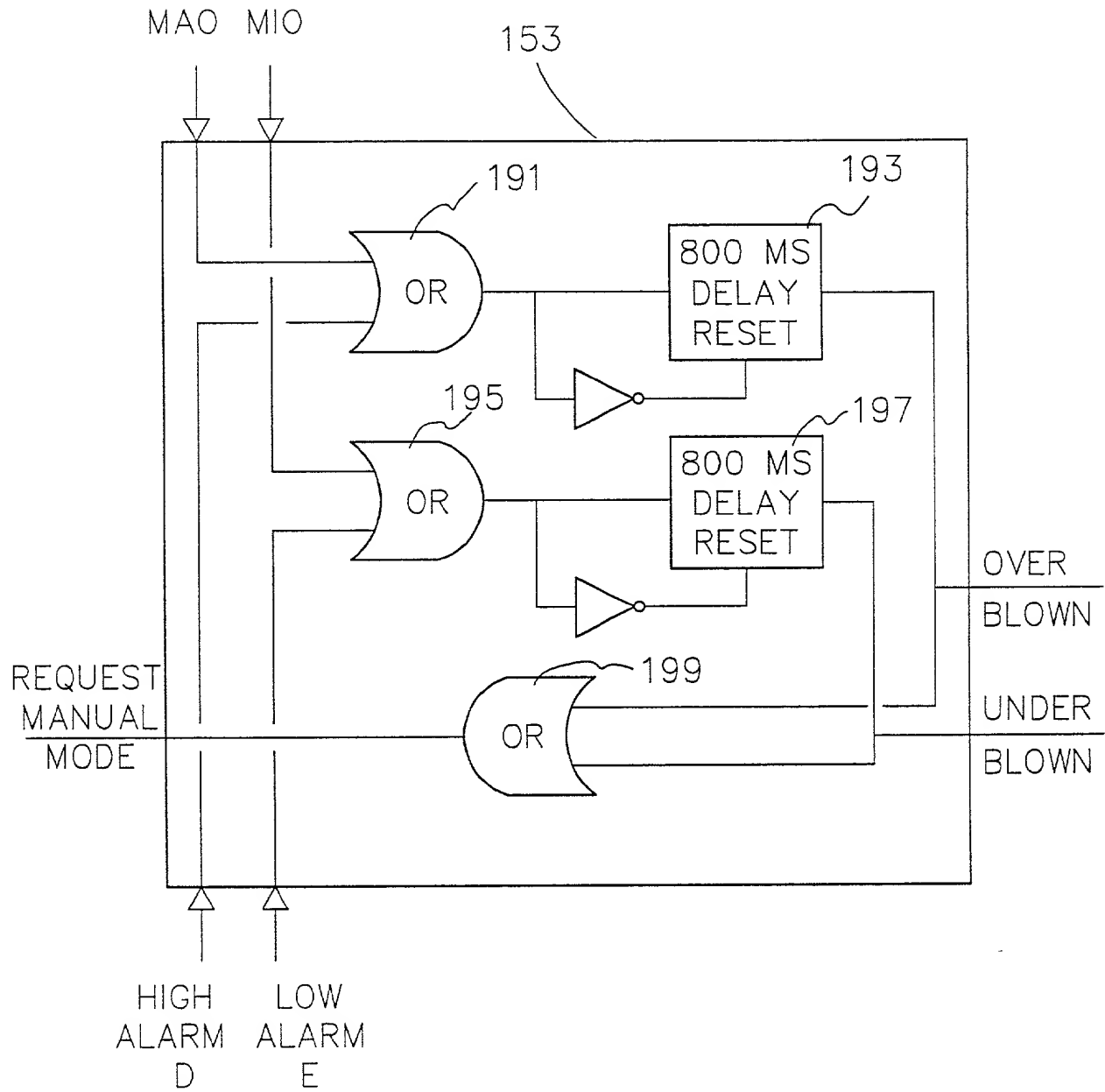


FIGURE 17

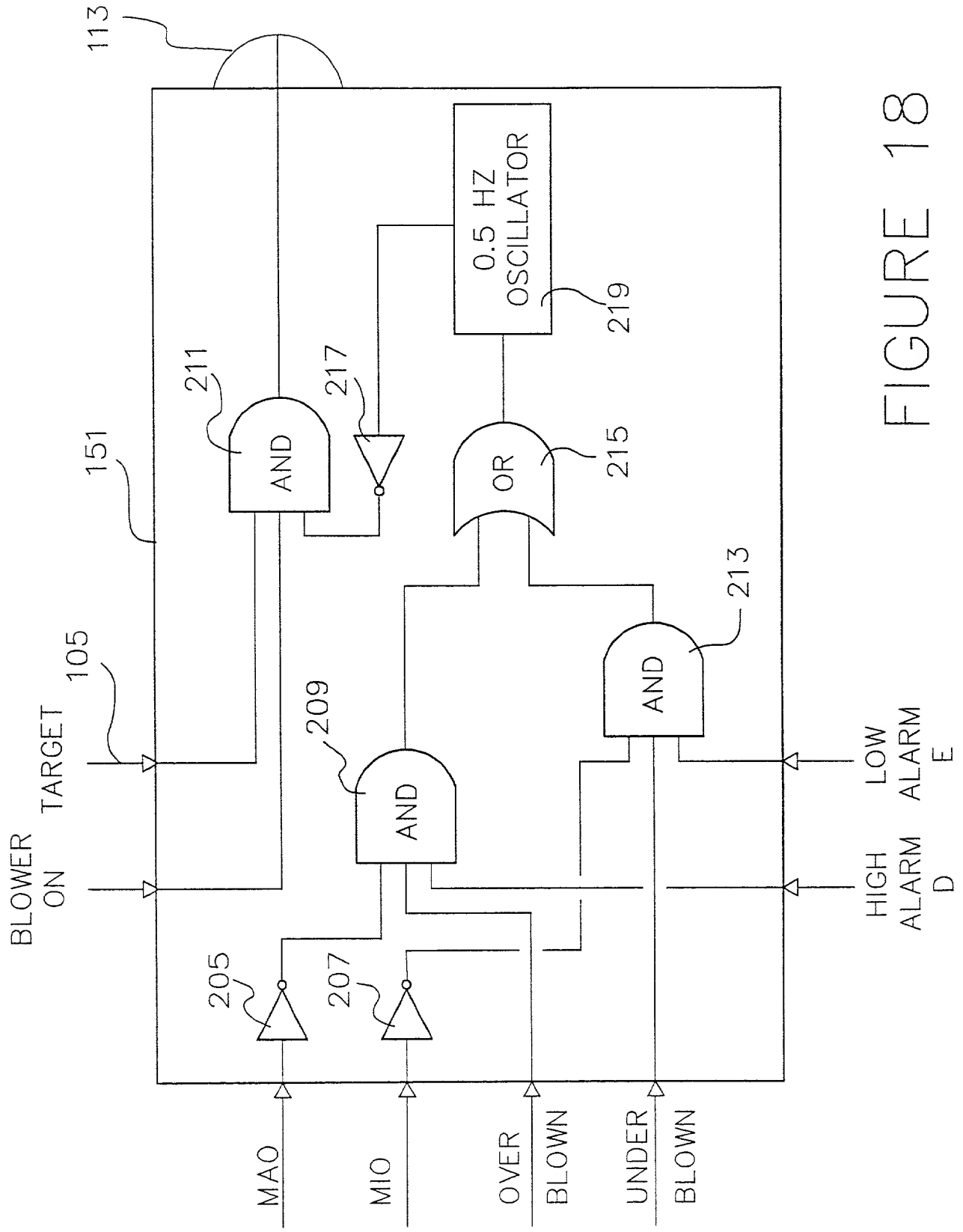


FIGURE 18

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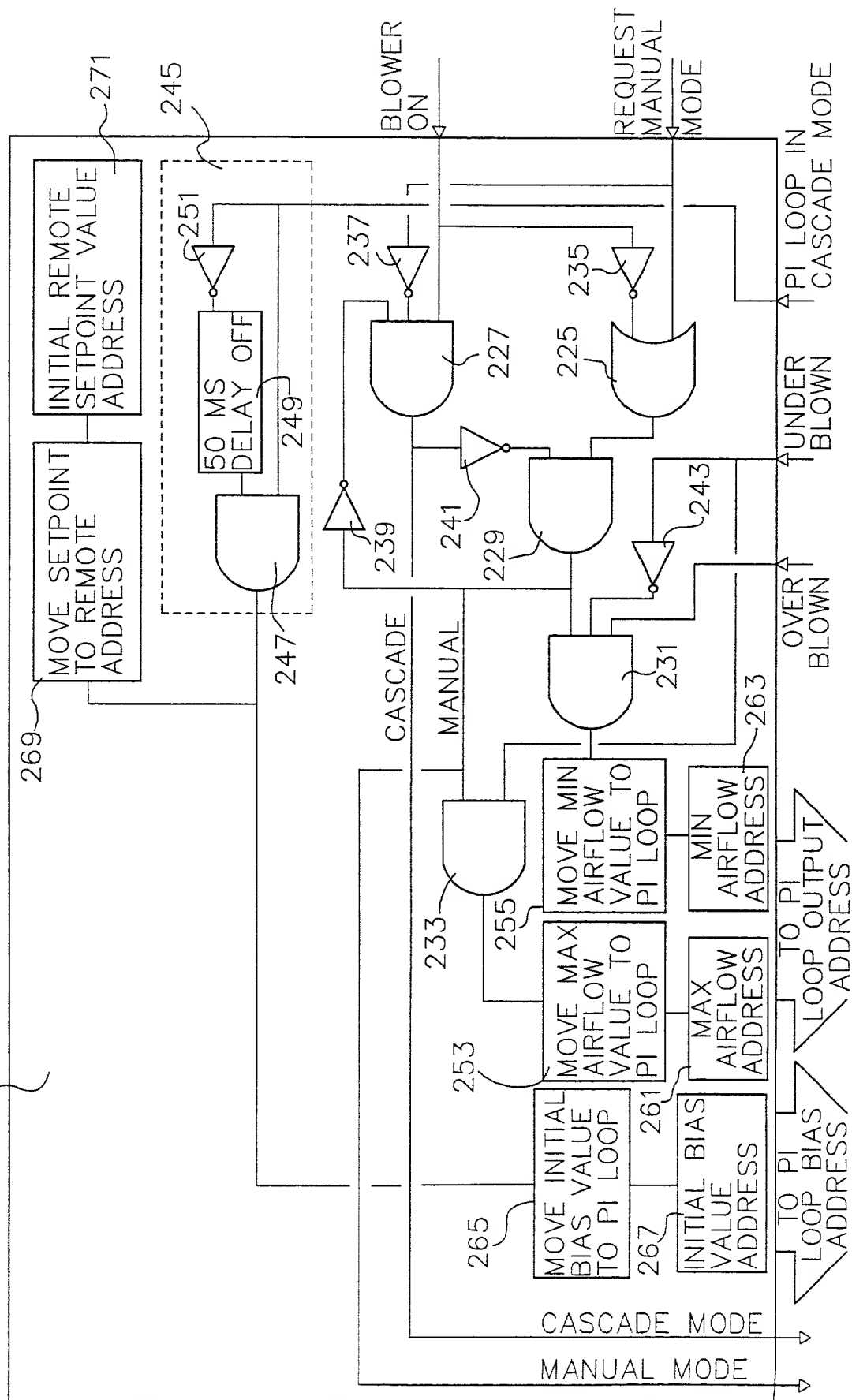


FIGURE 19

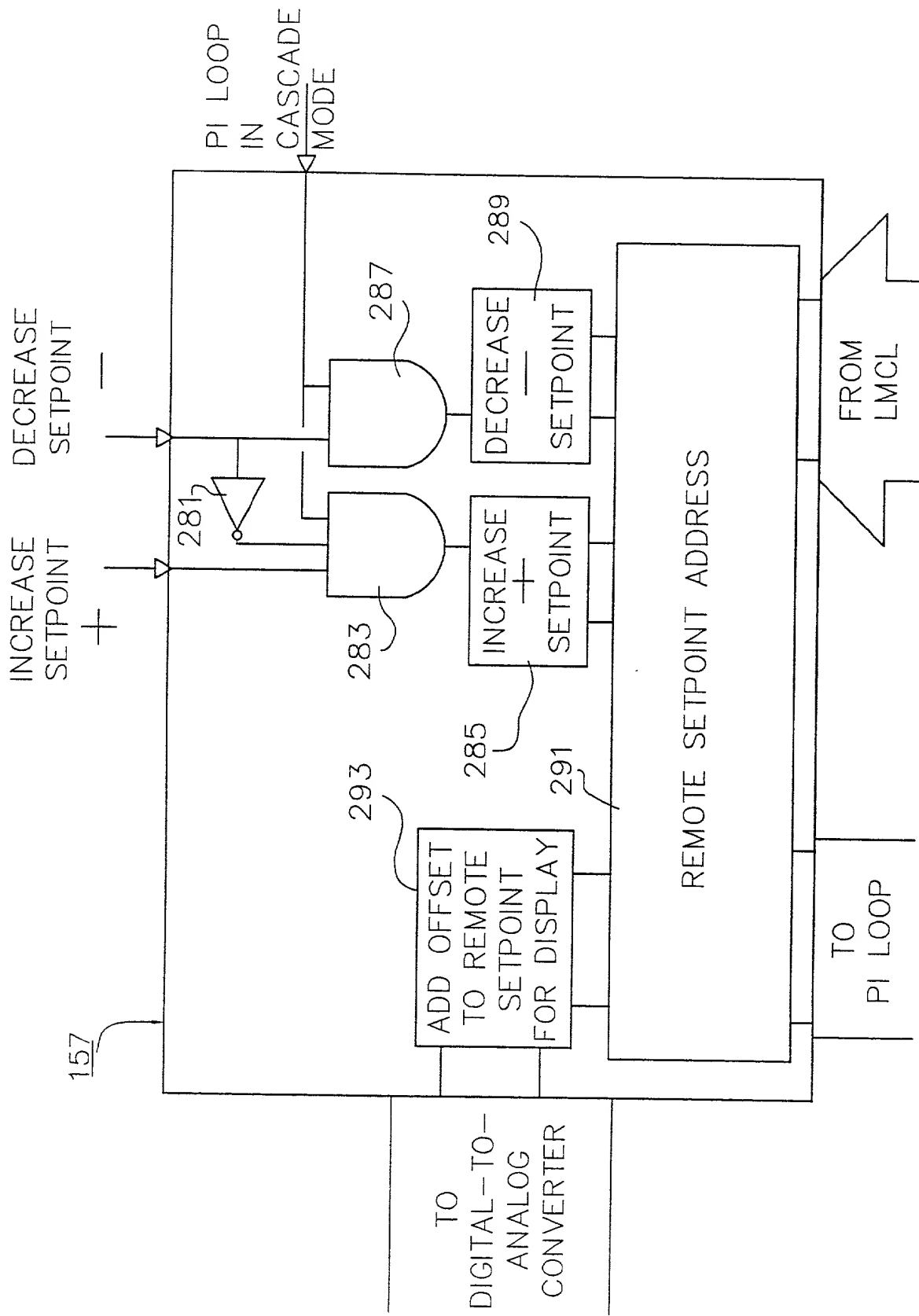


FIGURE 20

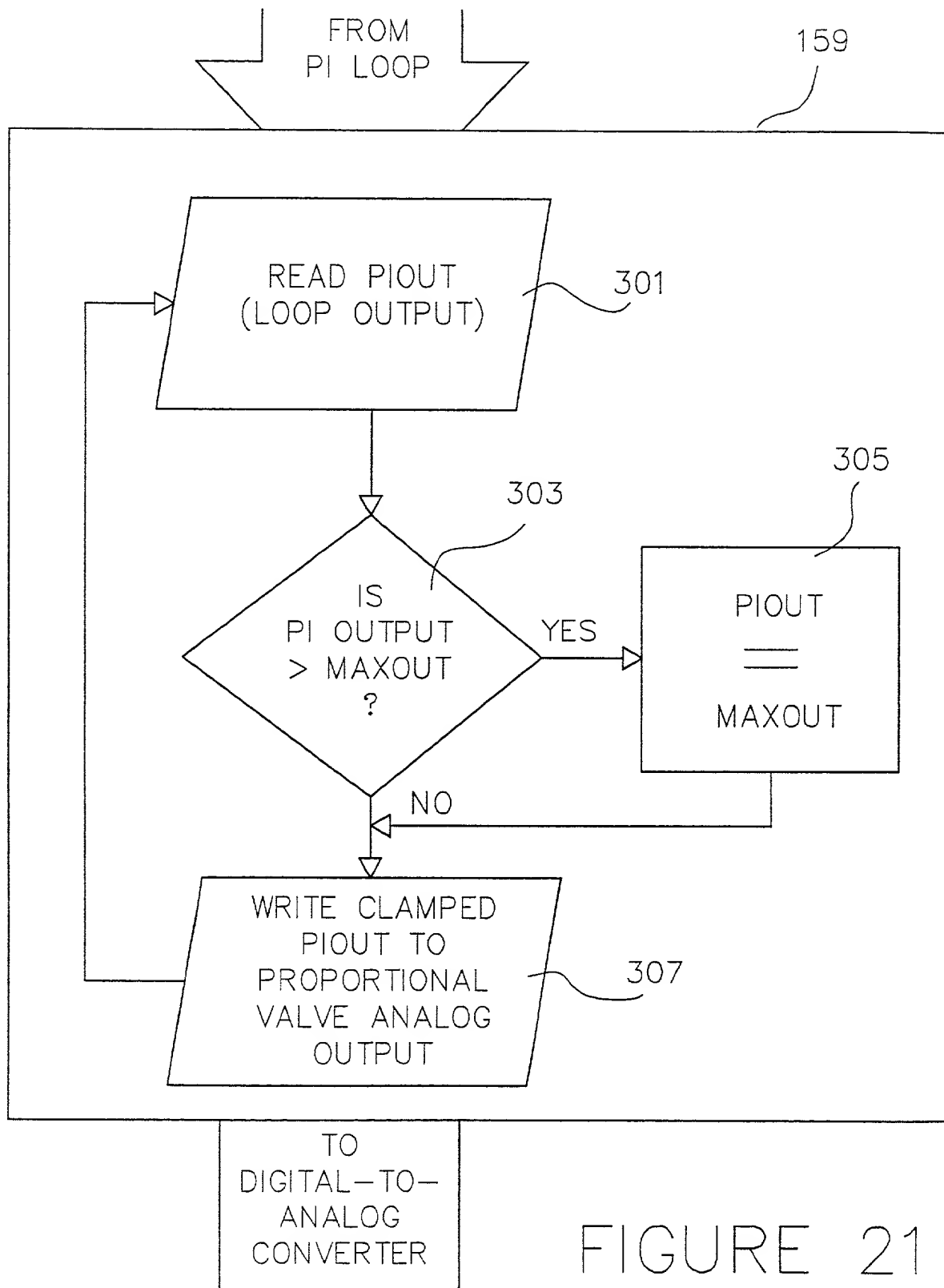


FIGURE 21

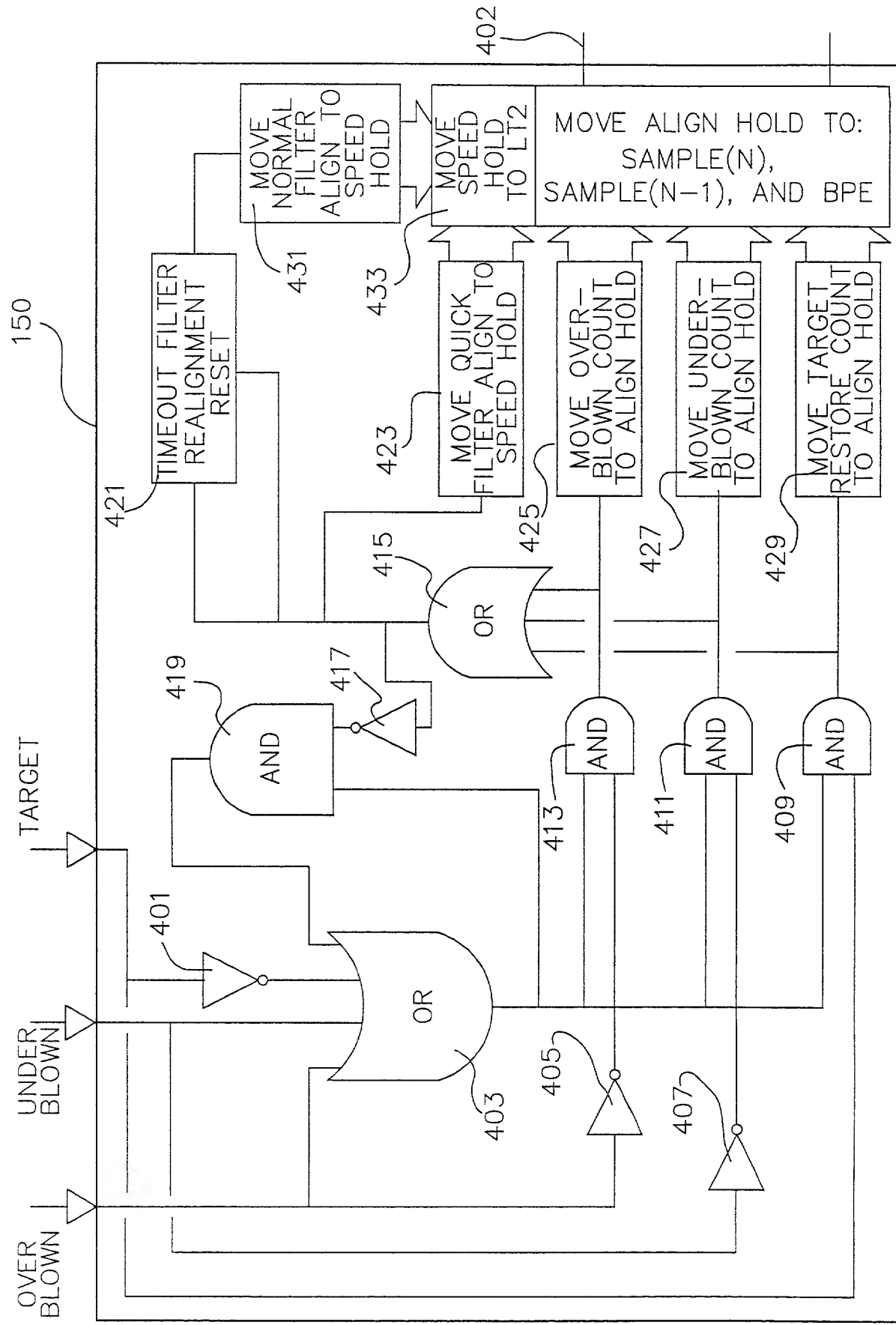
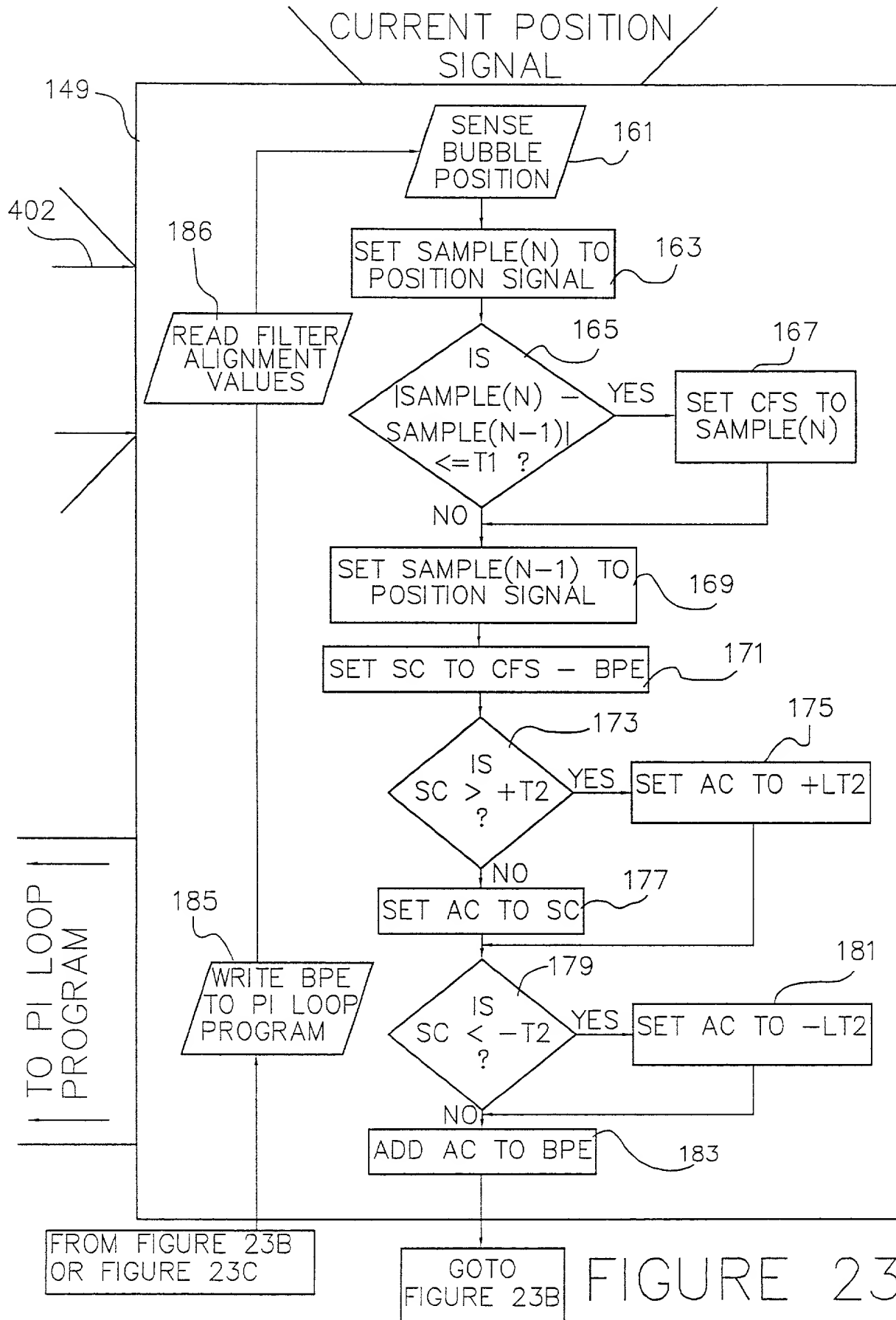


FIGURE 22





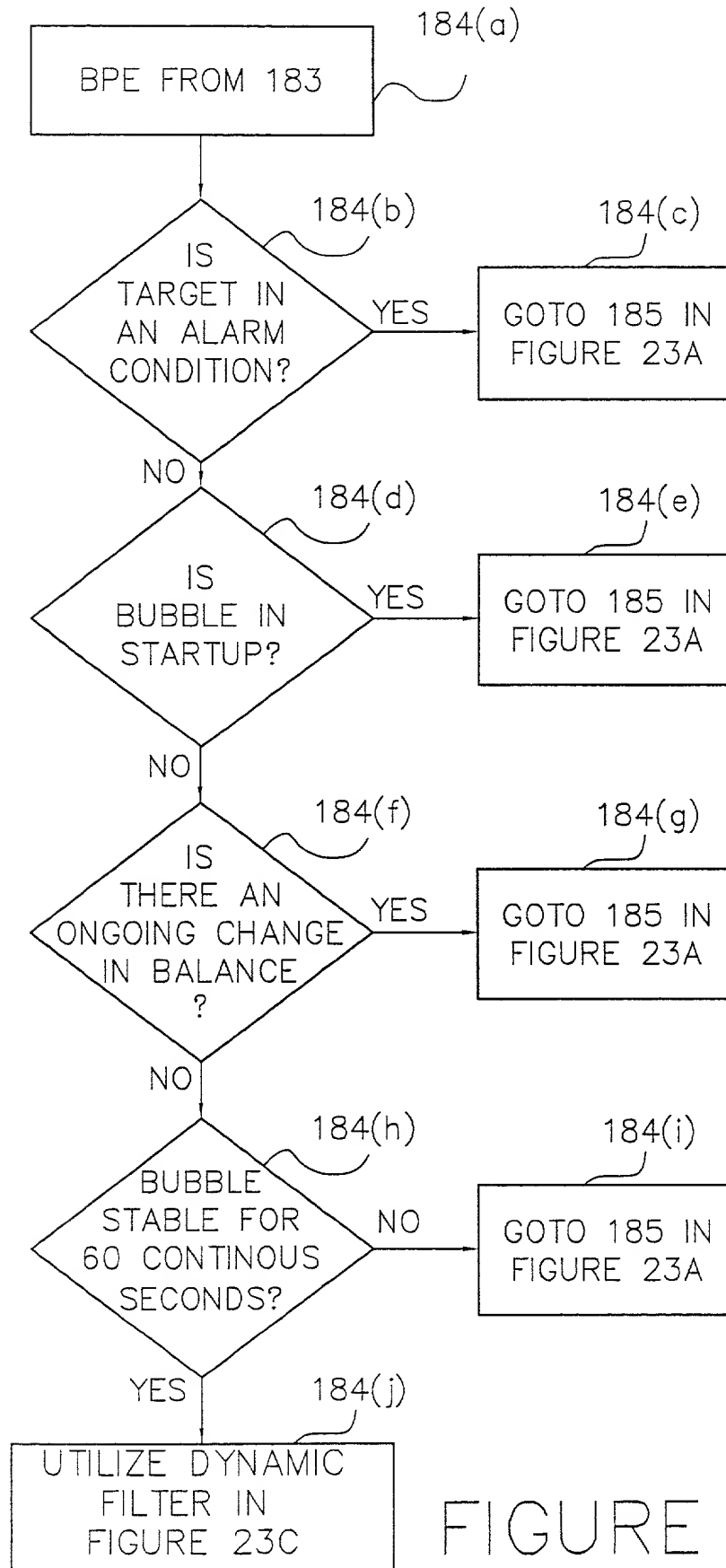


FIGURE 23B

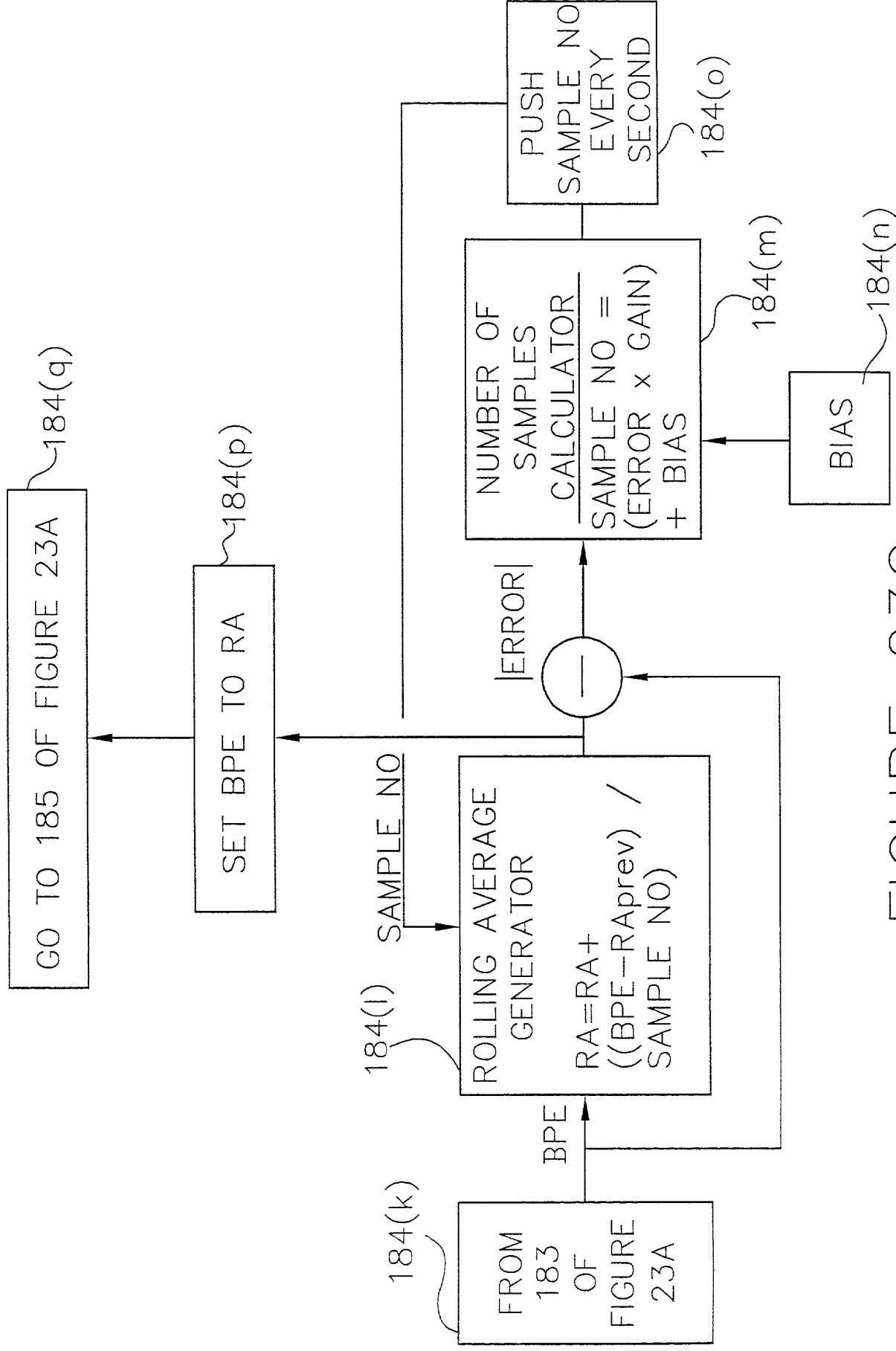


FIGURE 23C

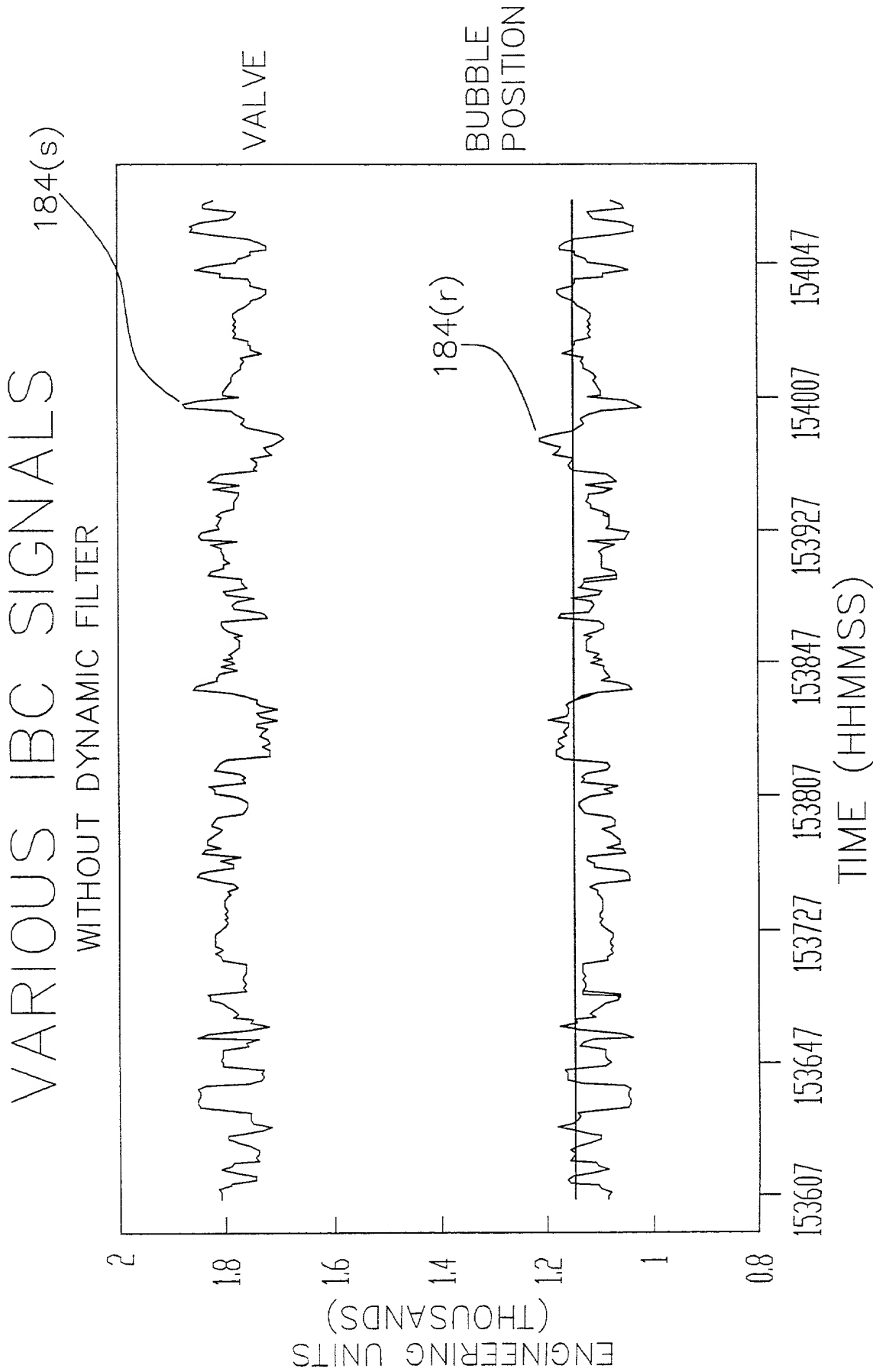


FIGURE 23D

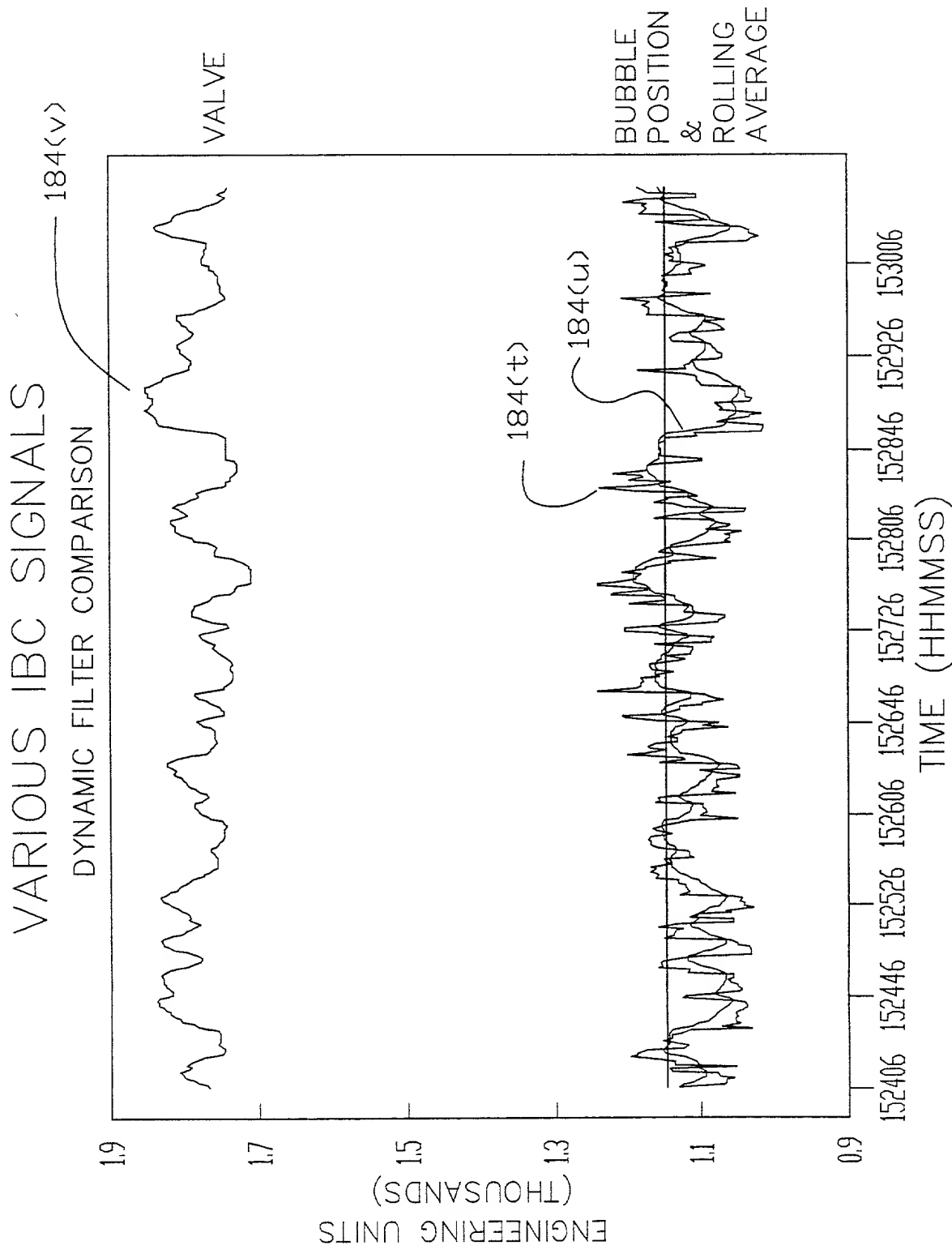


FIGURE 23E

# FREQUENCY DISTRIBUTION COMPARISON

DYNAMIC FILTER VS. BPE

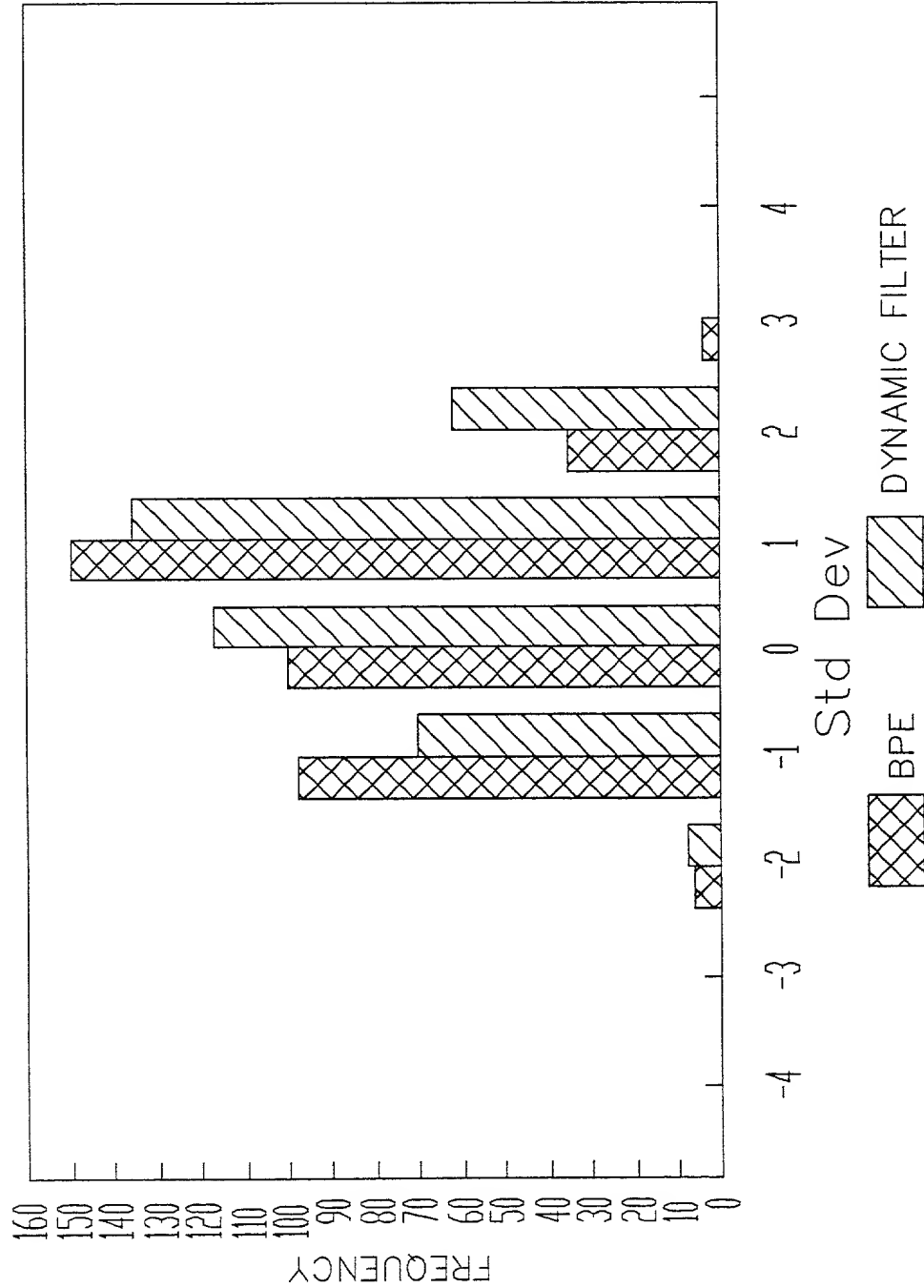


FIGURE 23F

# VARIOUS IBC SIGNALS START-UP WITH DYNAMIC FILTER

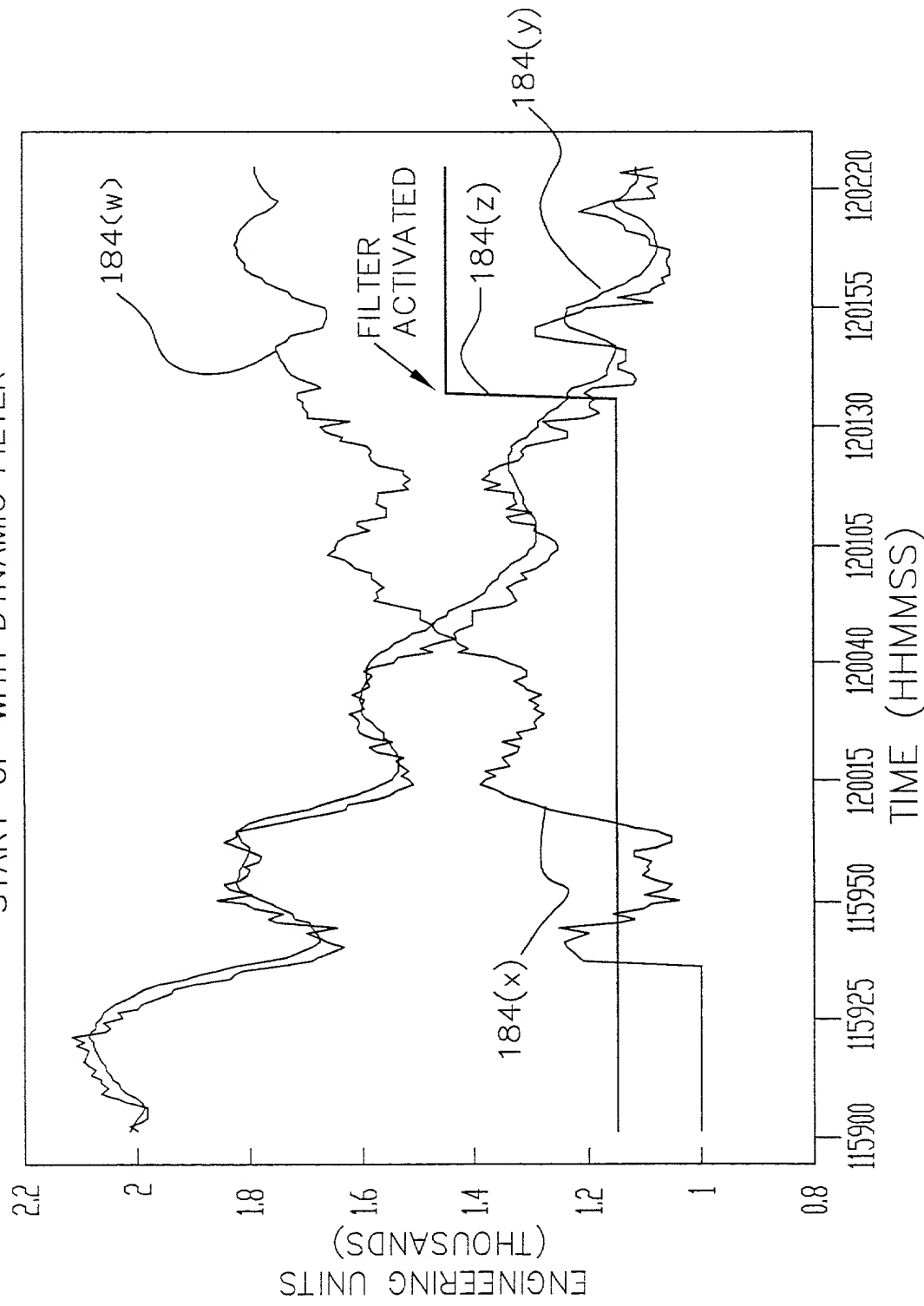
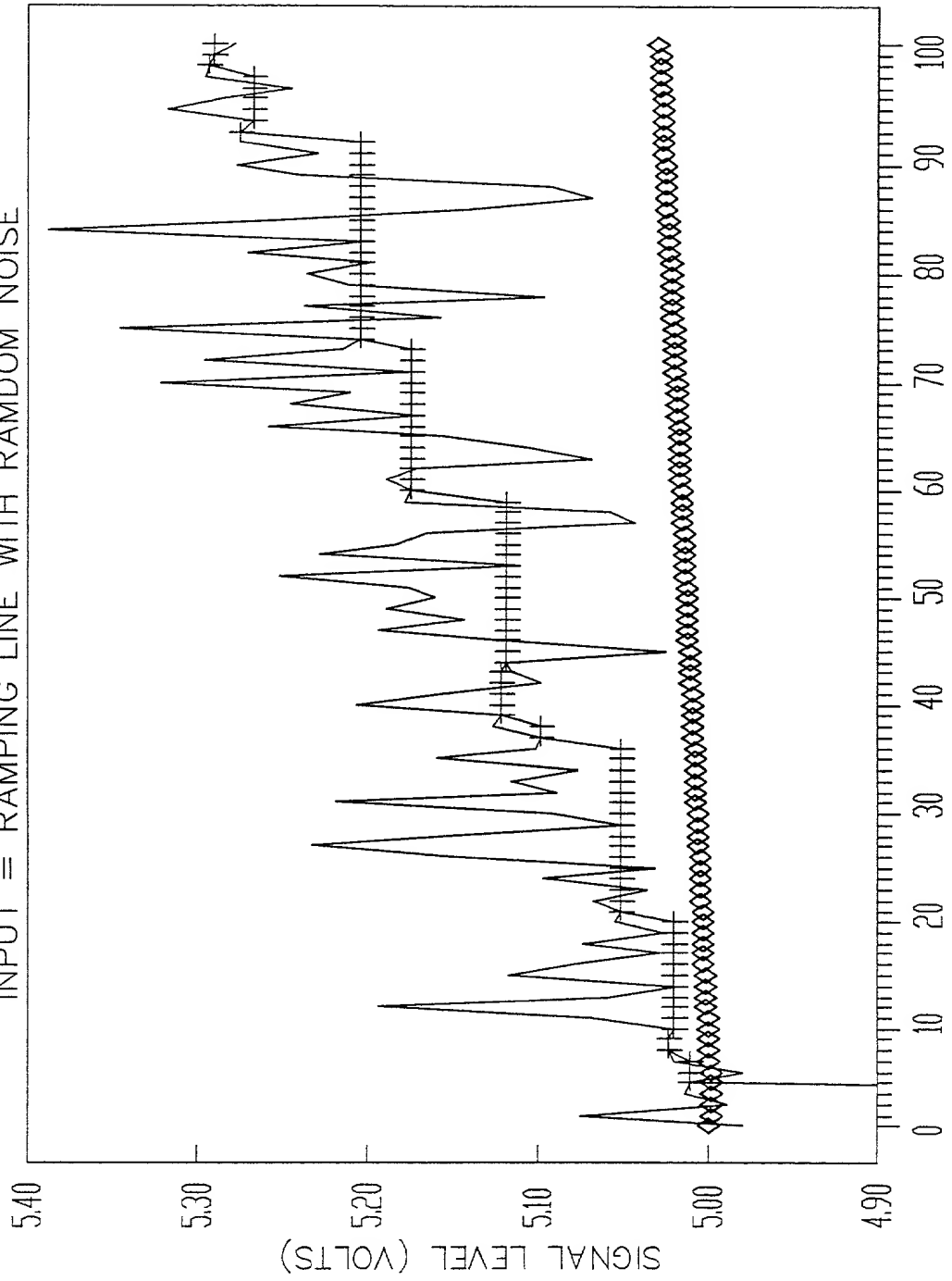


FIGURE 23G

IS-IBC1 FILTER SIMULATION  
INPUT = RAMPING LINE WITH RANDOM NOISE



TIME SAMPLE (.034 SECONDS)

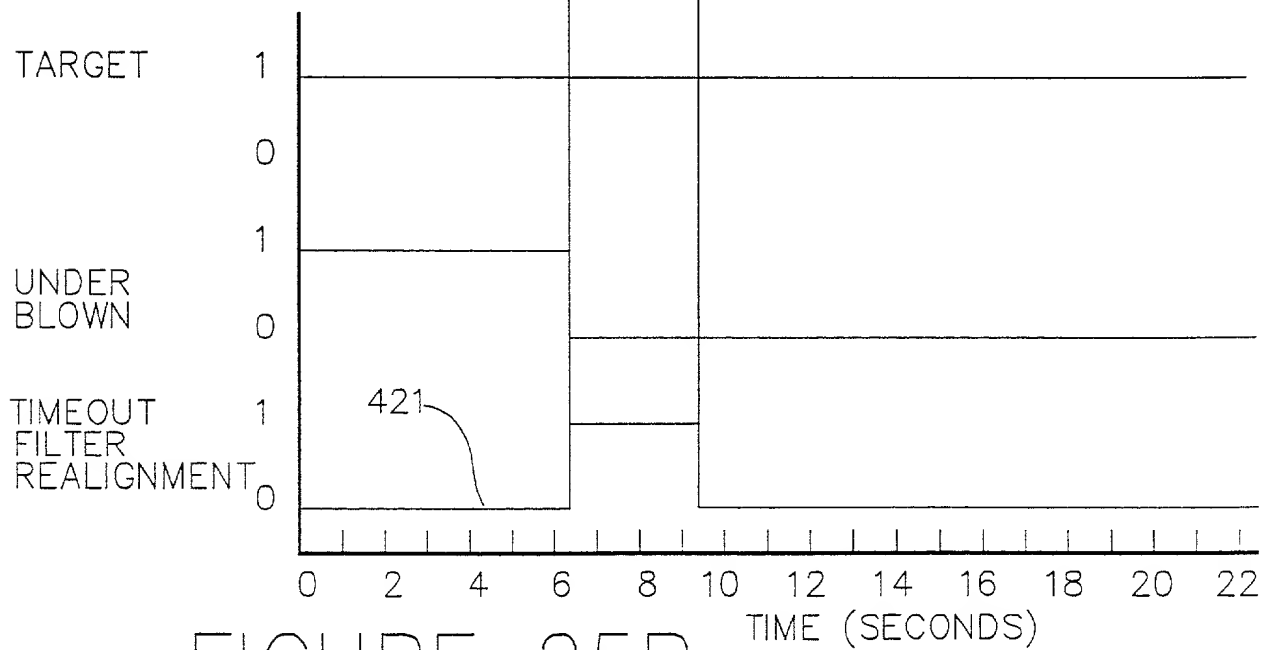
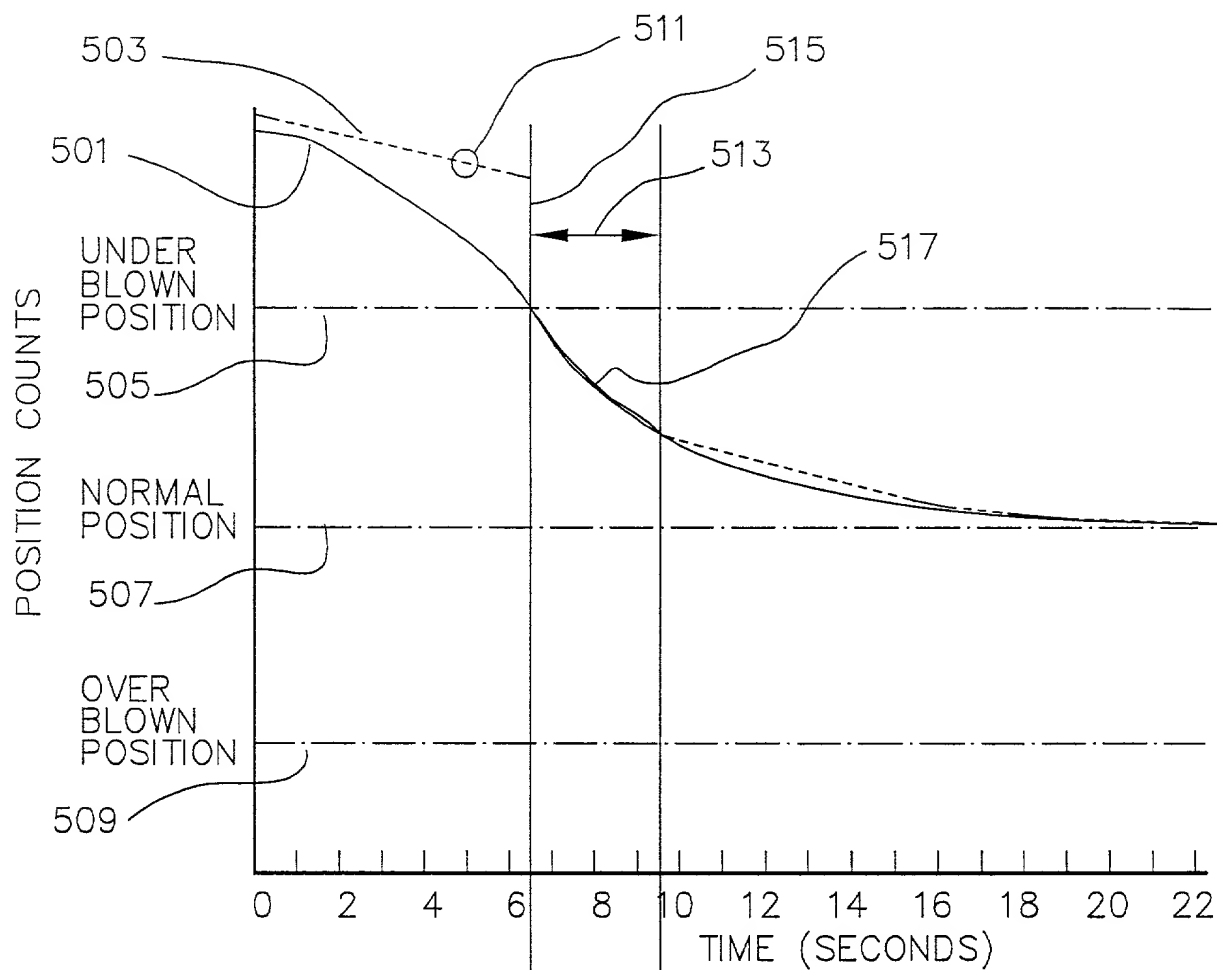
—INPUT +CFS

◆BPE

FIGURE 24



# FIGURE 25A



# FIGURE 25B

FIGURE 26A

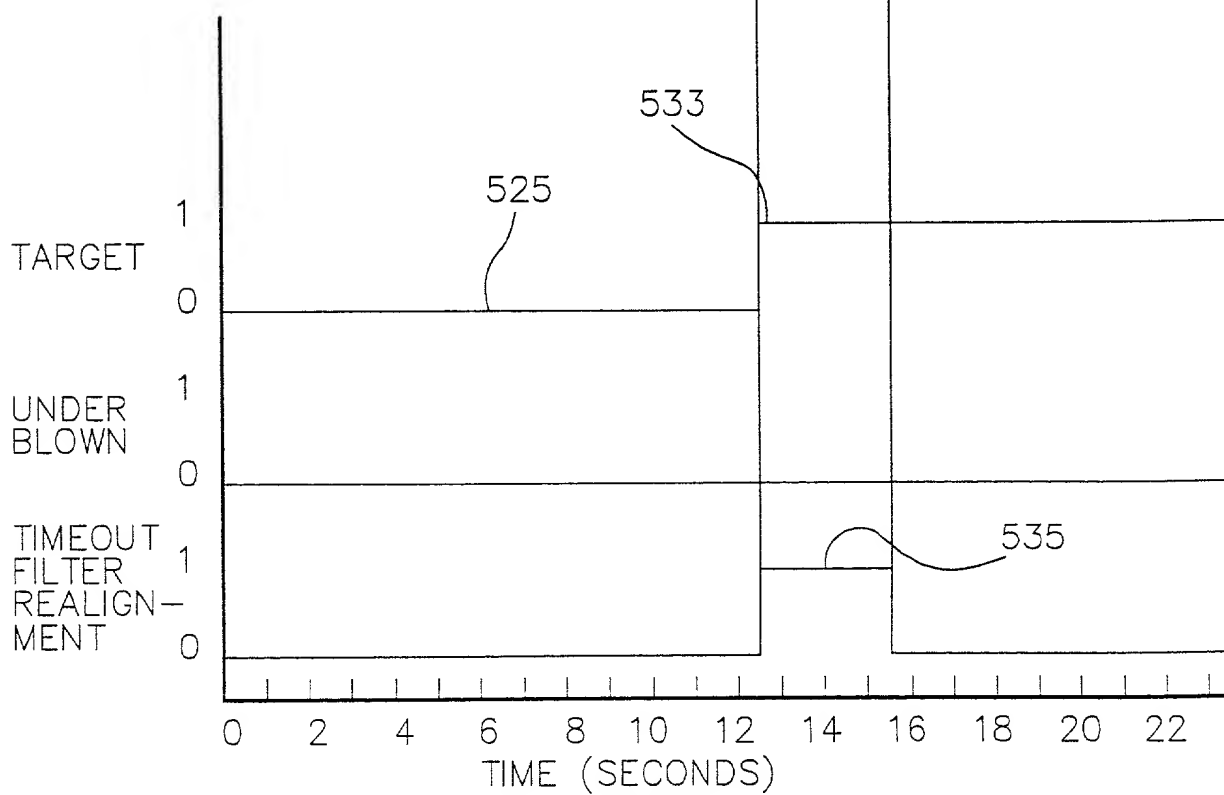
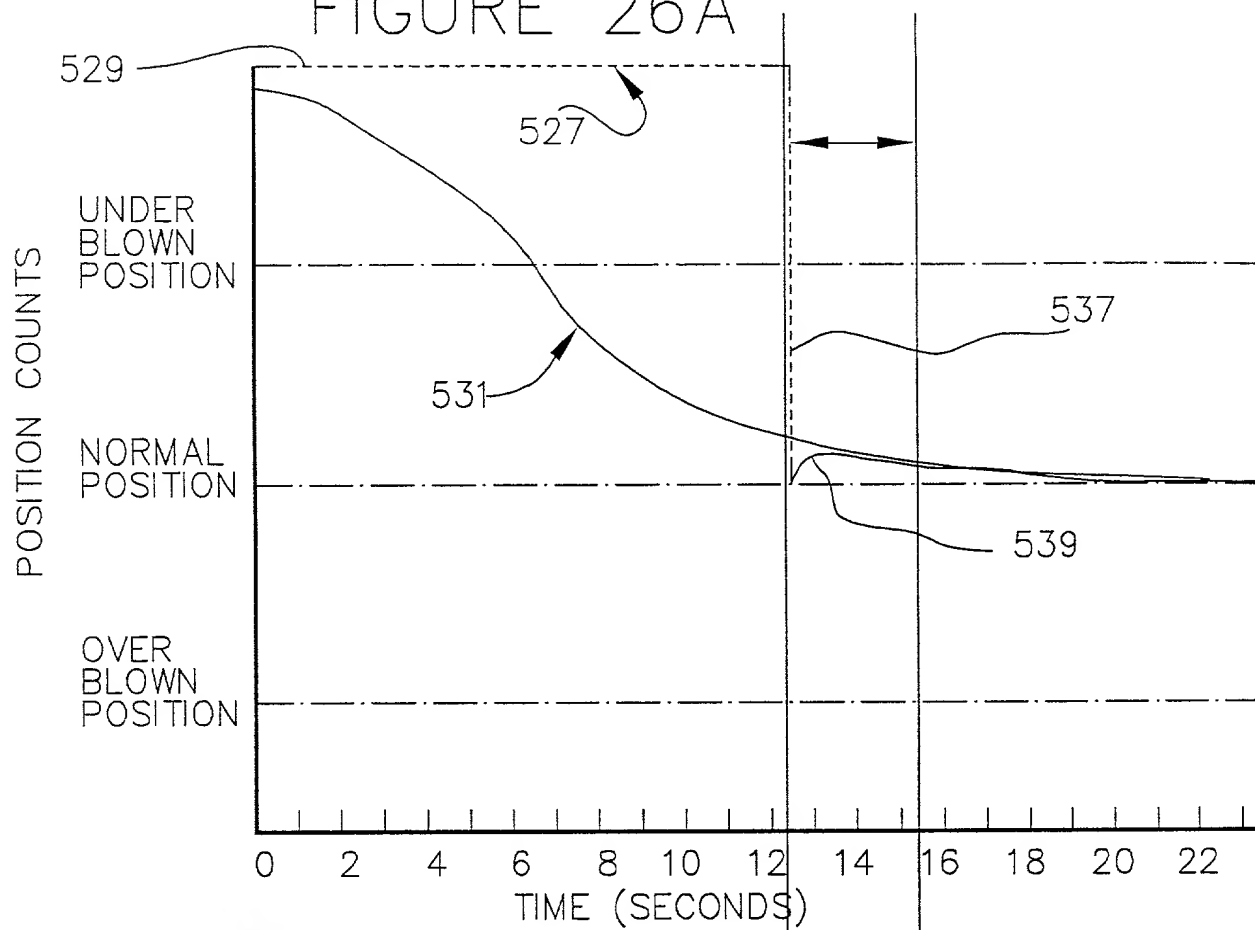


FIGURE 26B

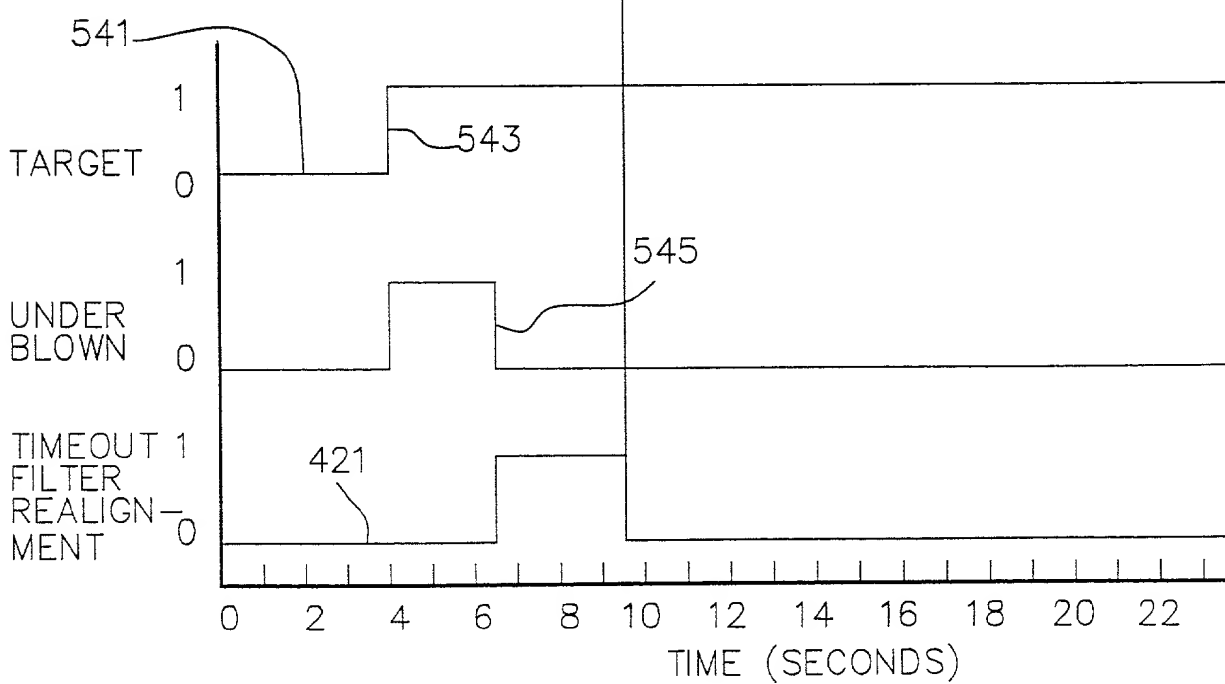
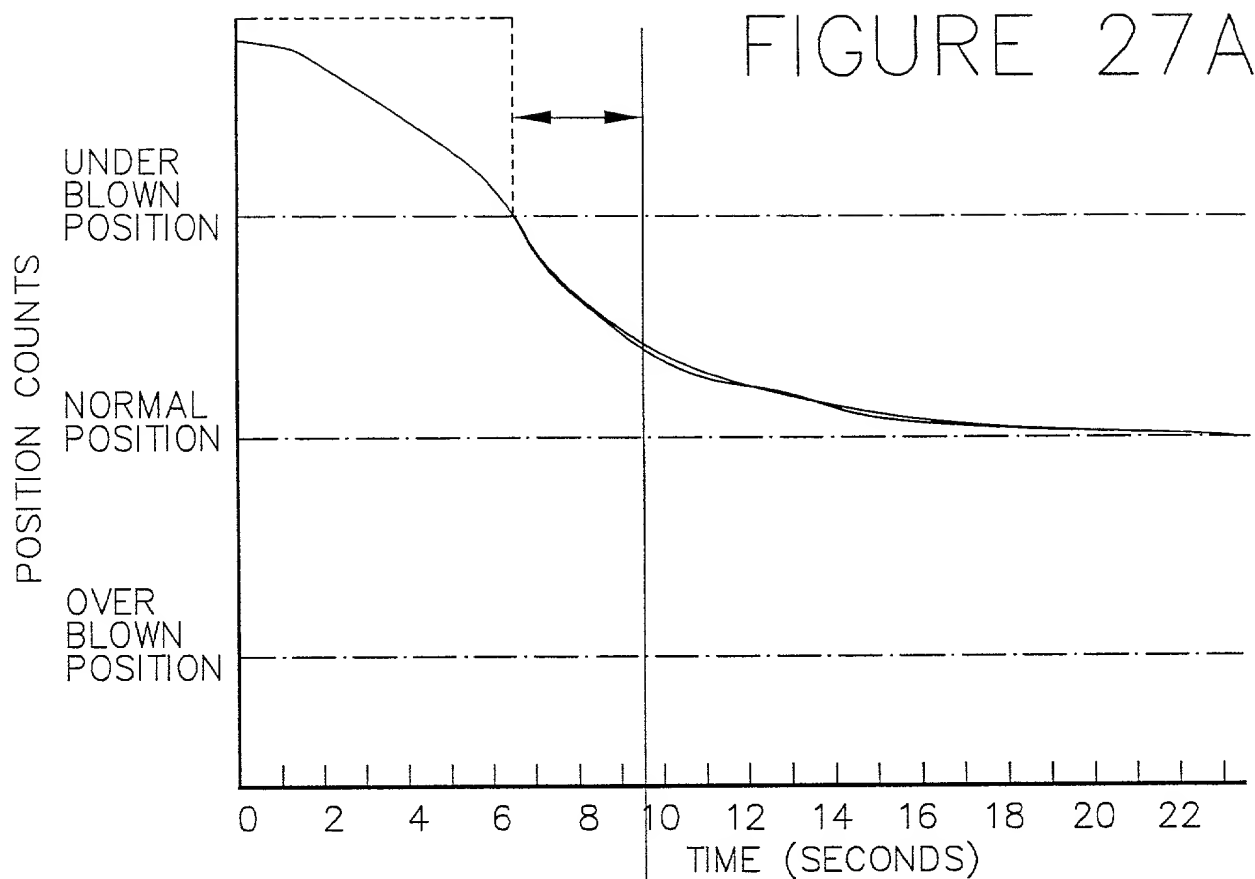
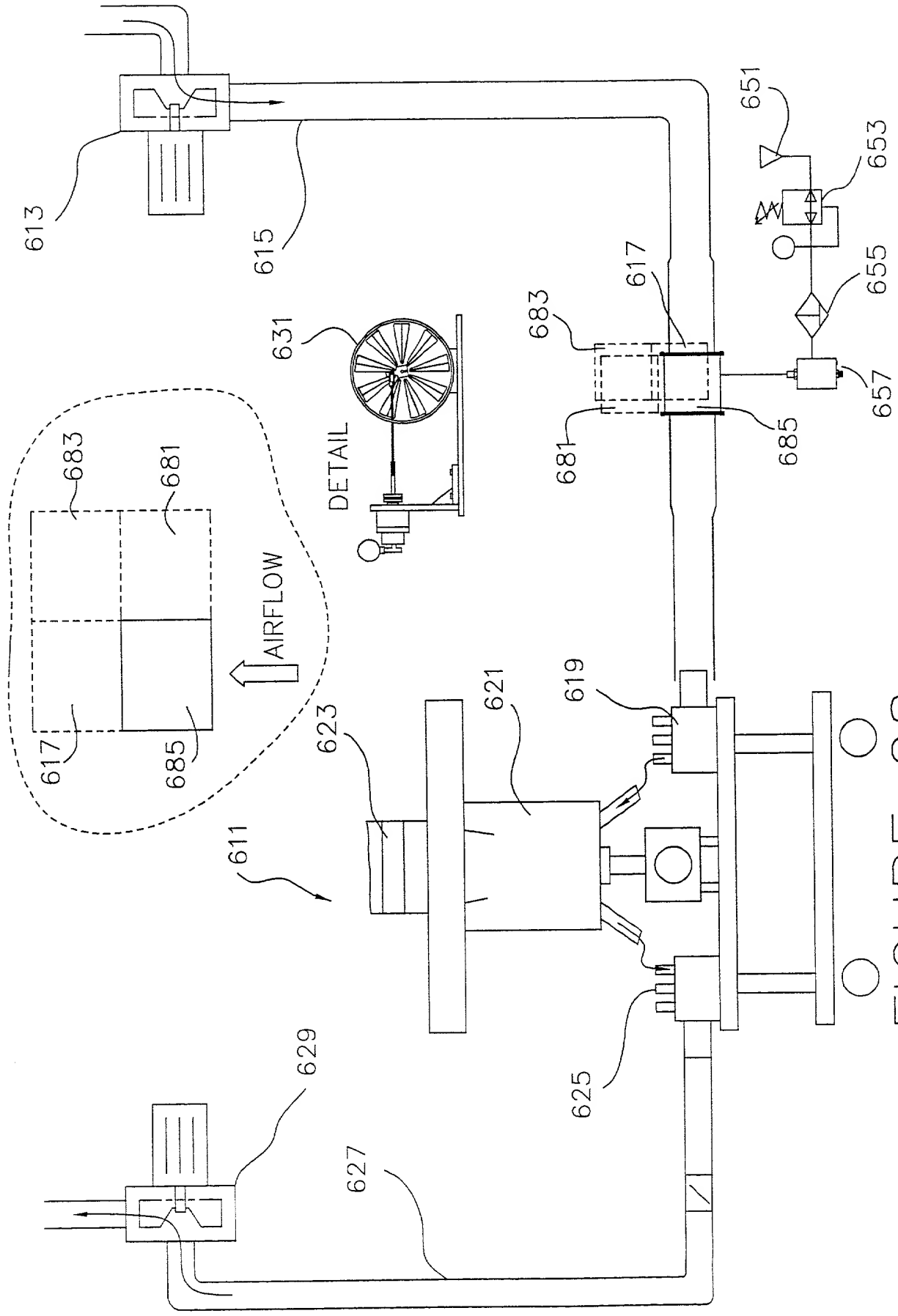
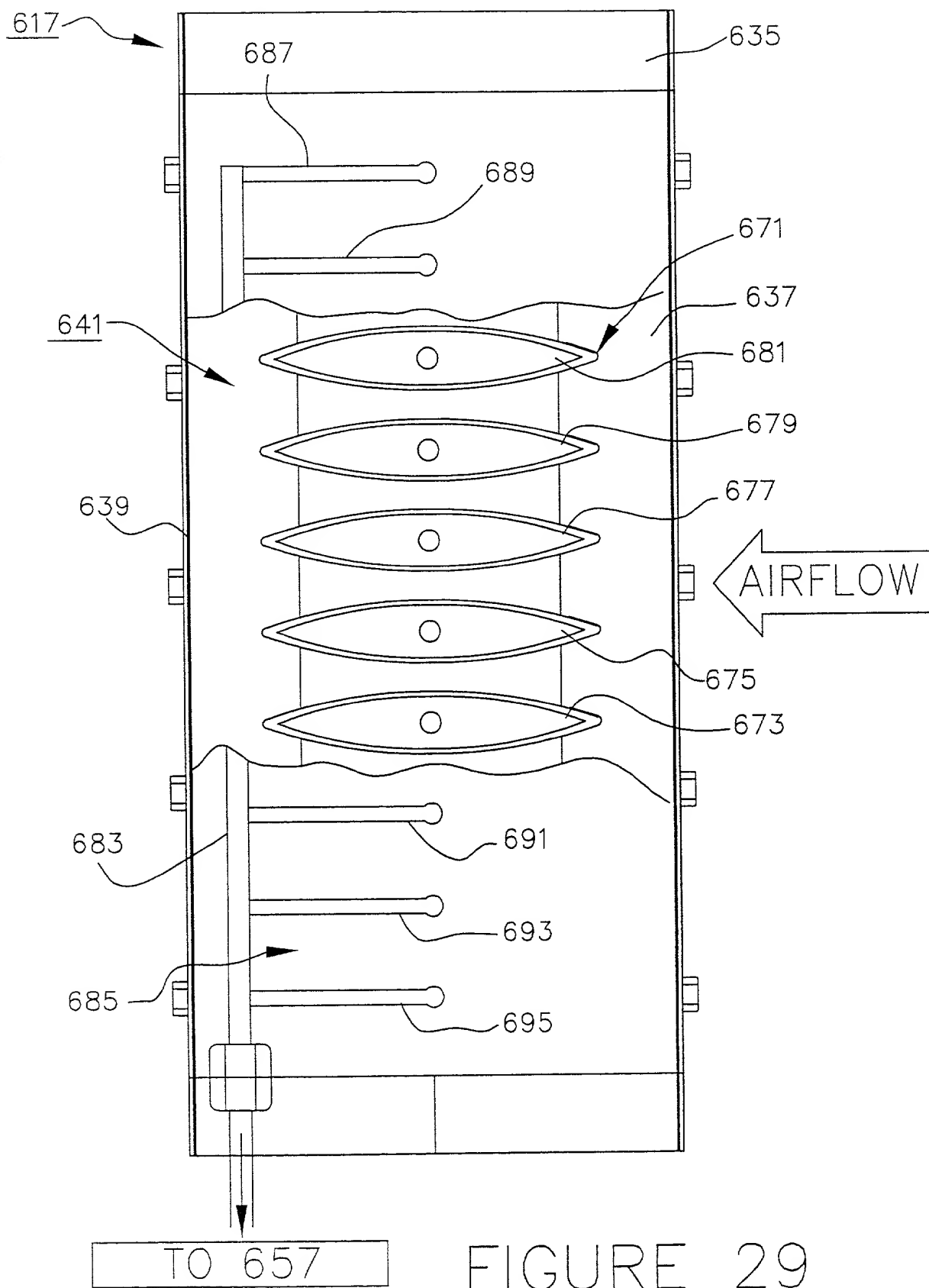


FIGURE 27B





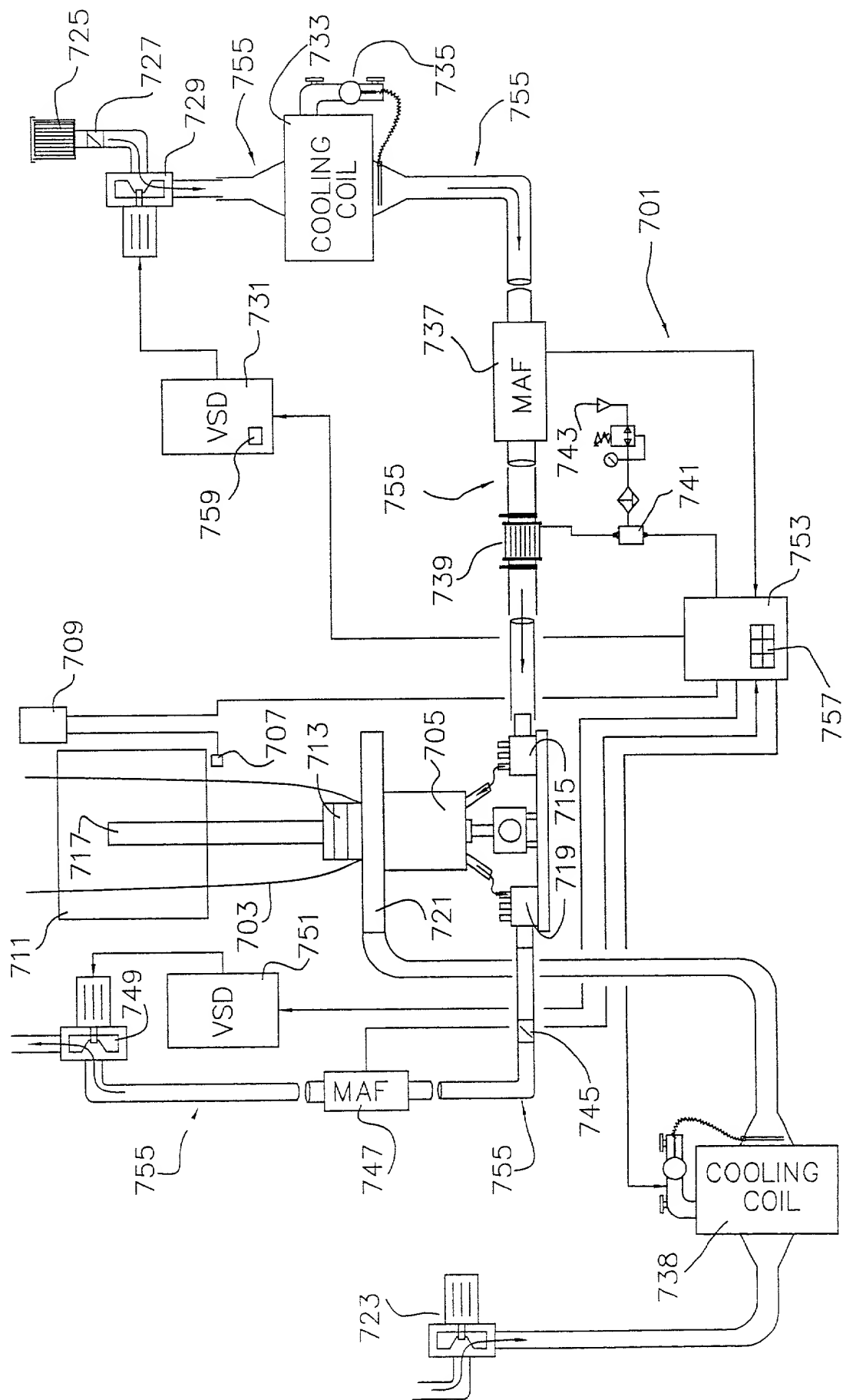


FIGURE 30

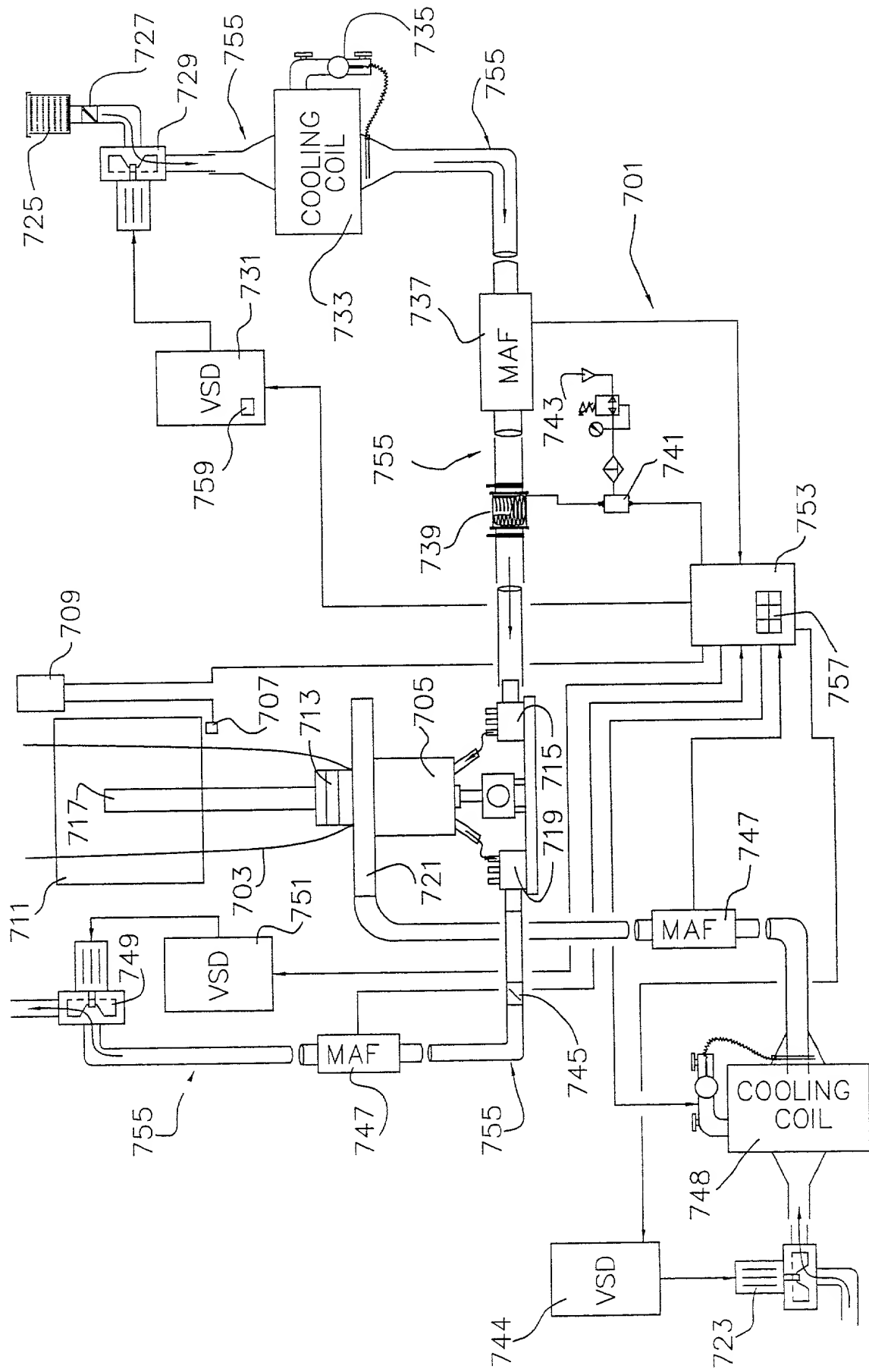


FIGURE 31

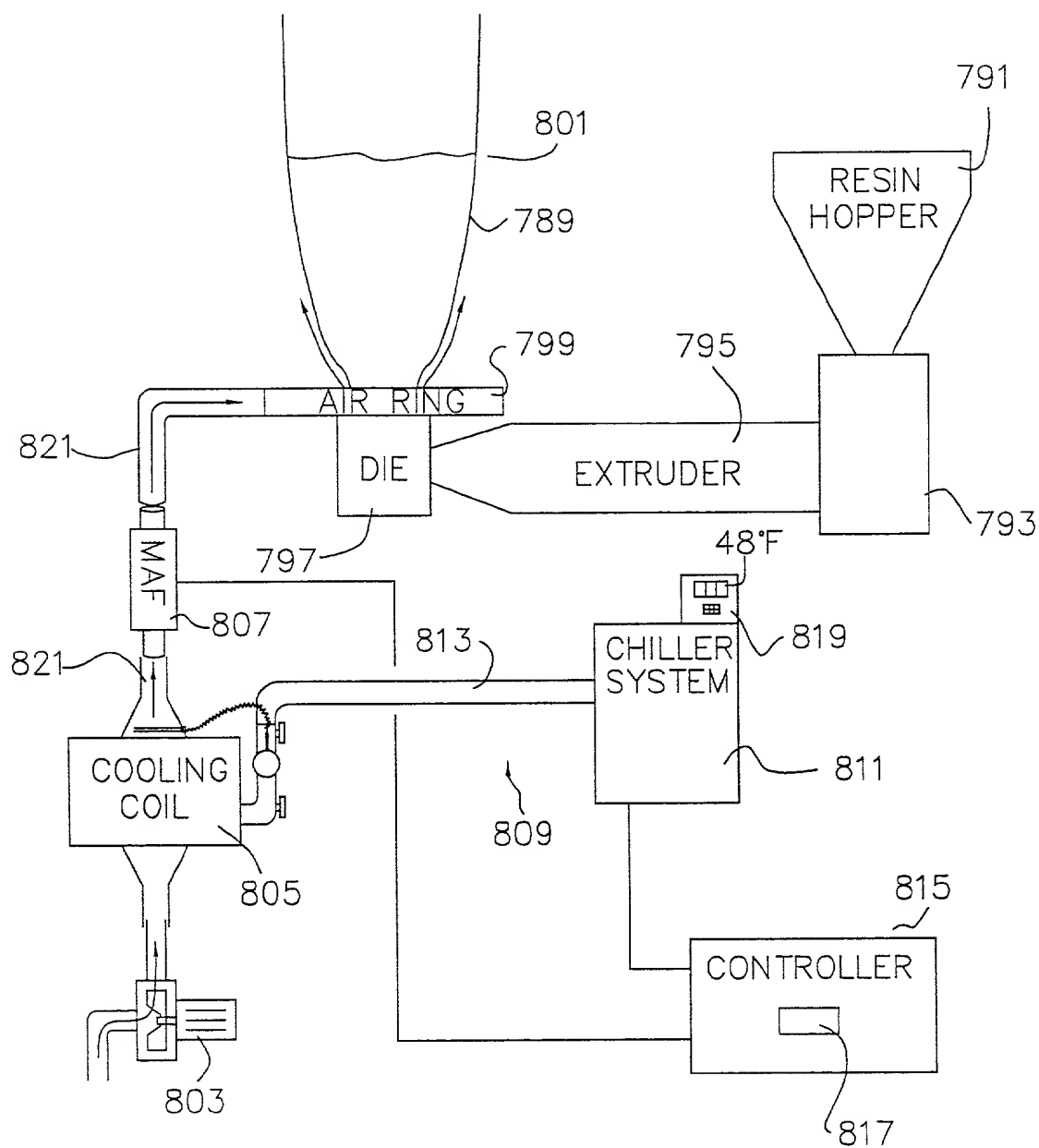


FIGURE 32



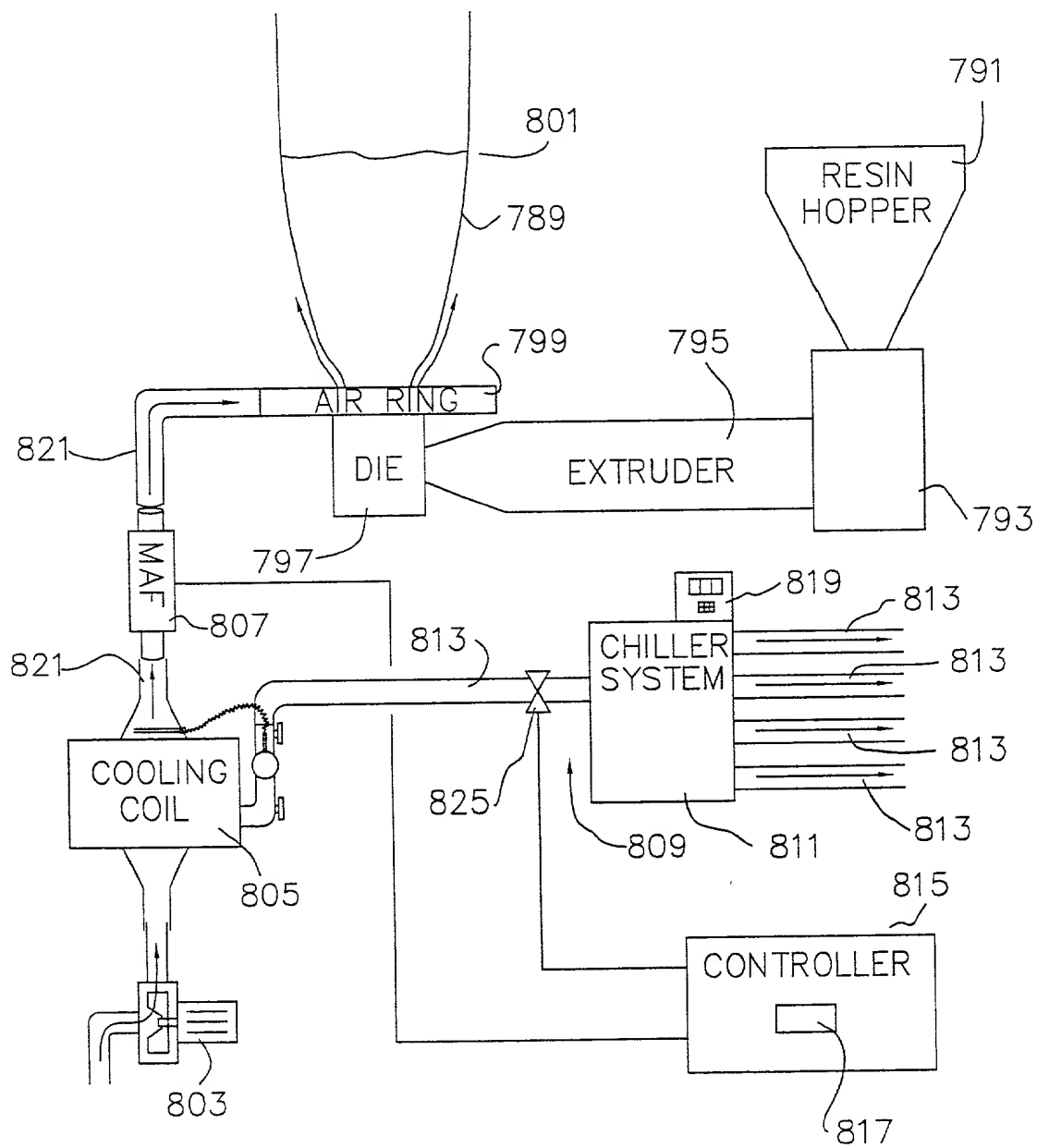


FIGURE 33

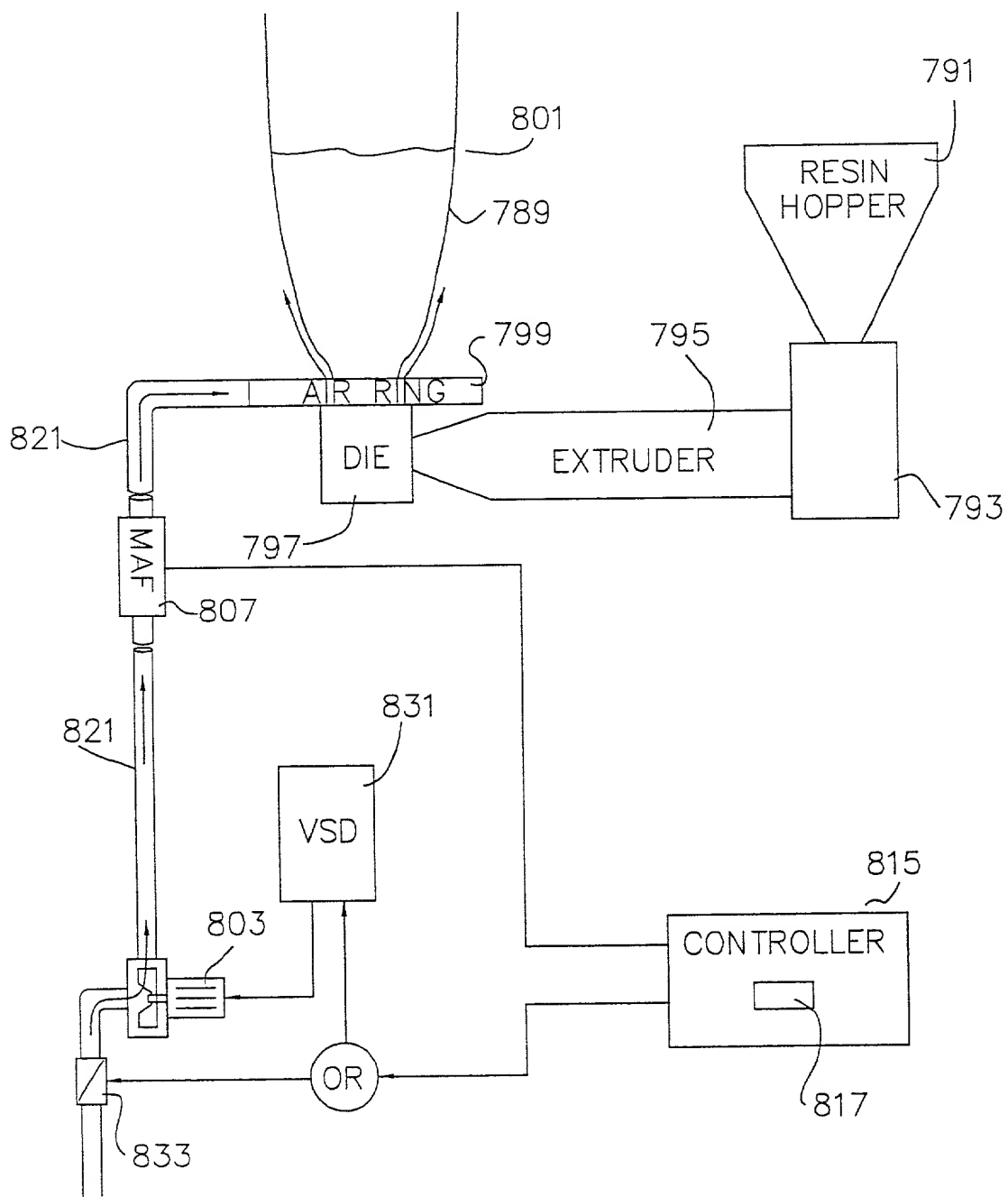


FIGURE 34

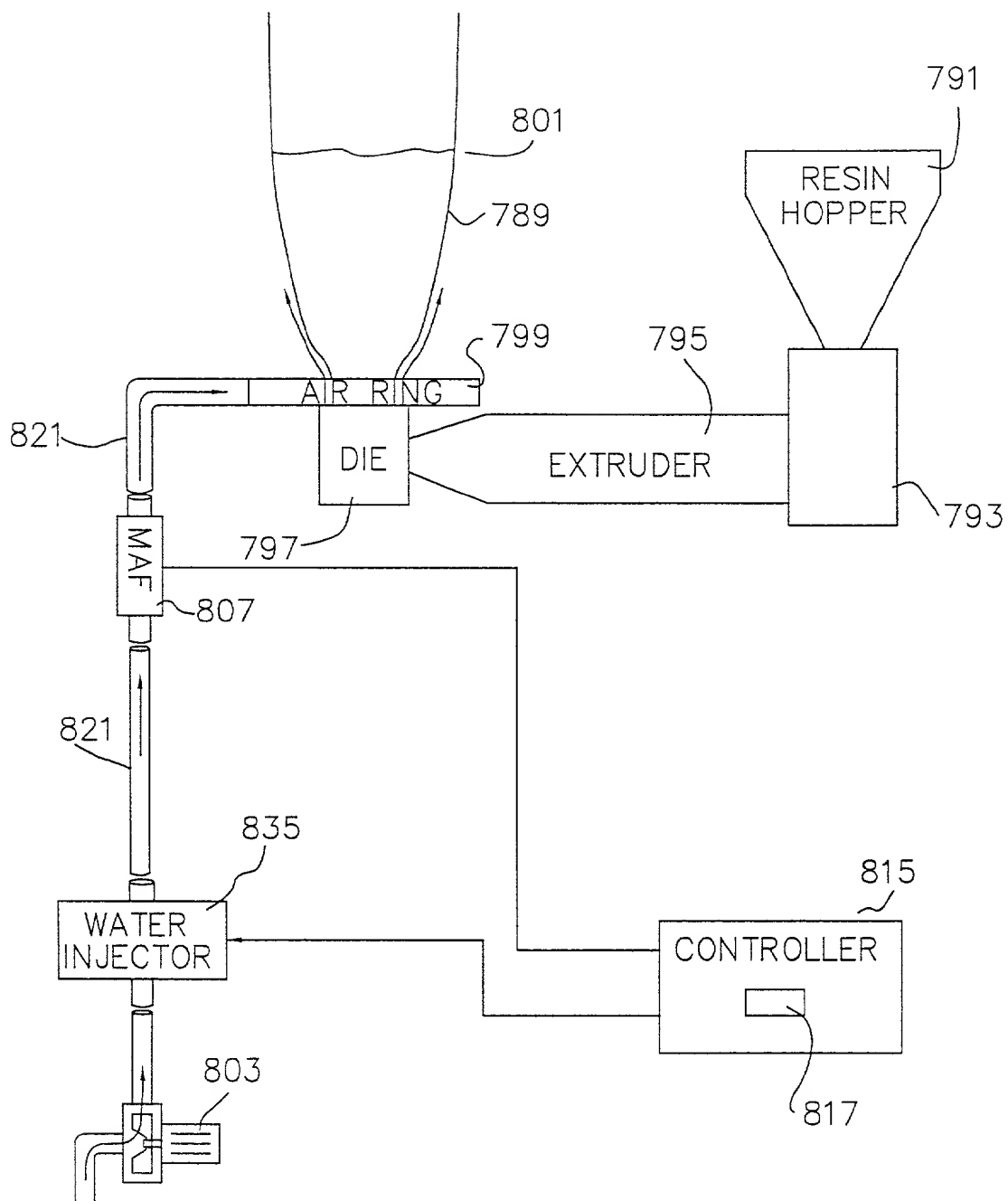


FIGURE 35

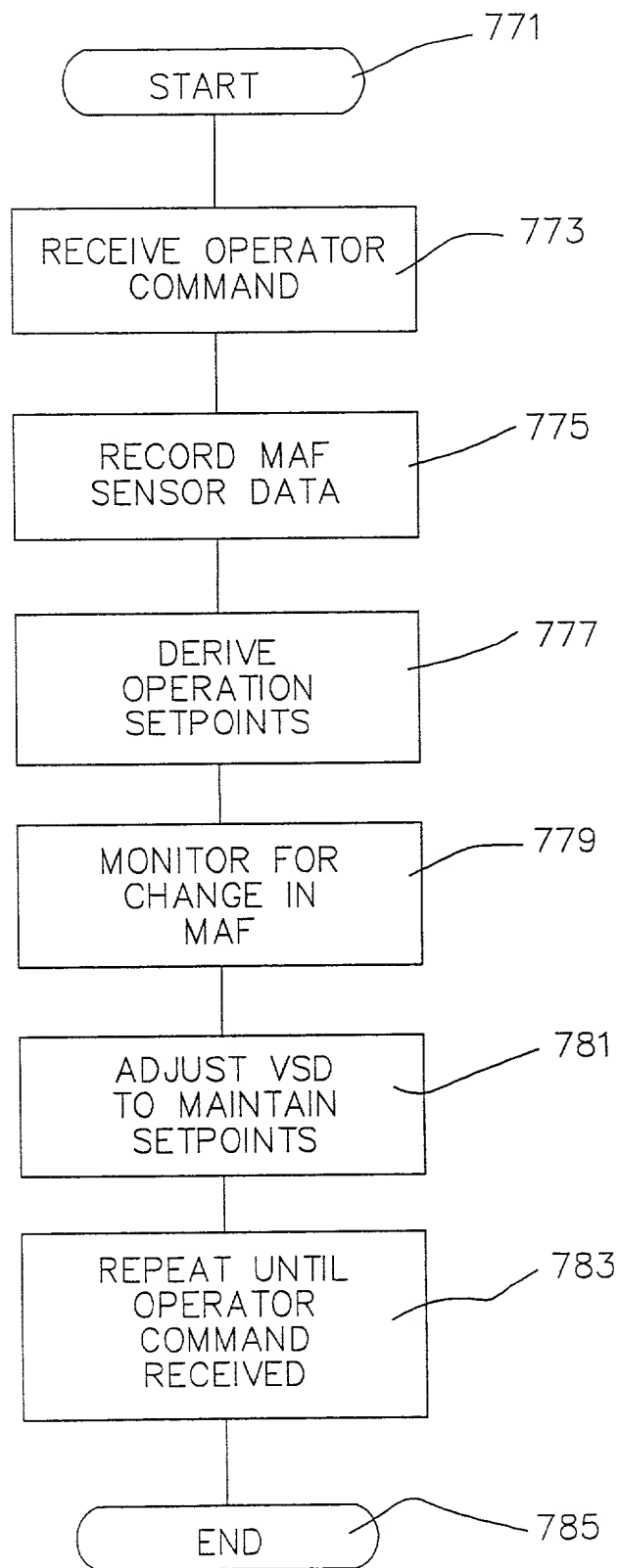


FIGURE 36

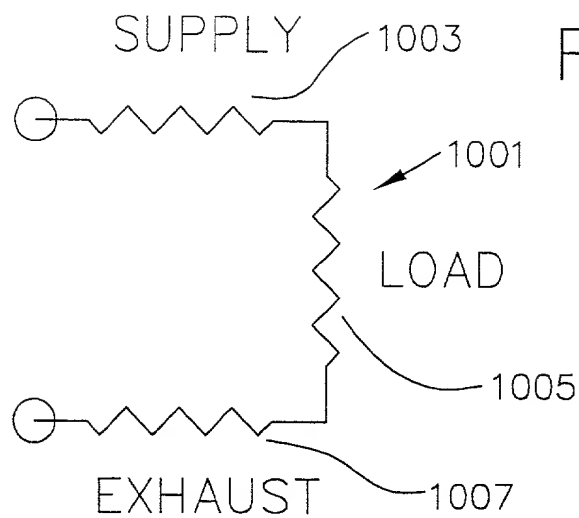


FIGURE 37A  
(PRIOR ART)

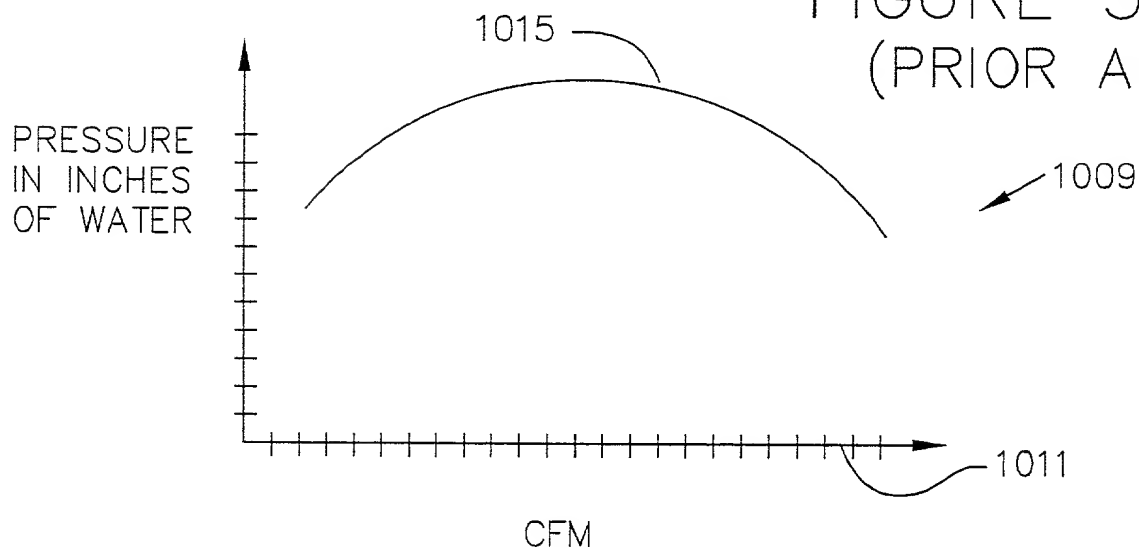


FIGURE 37B  
(PRIOR ART)

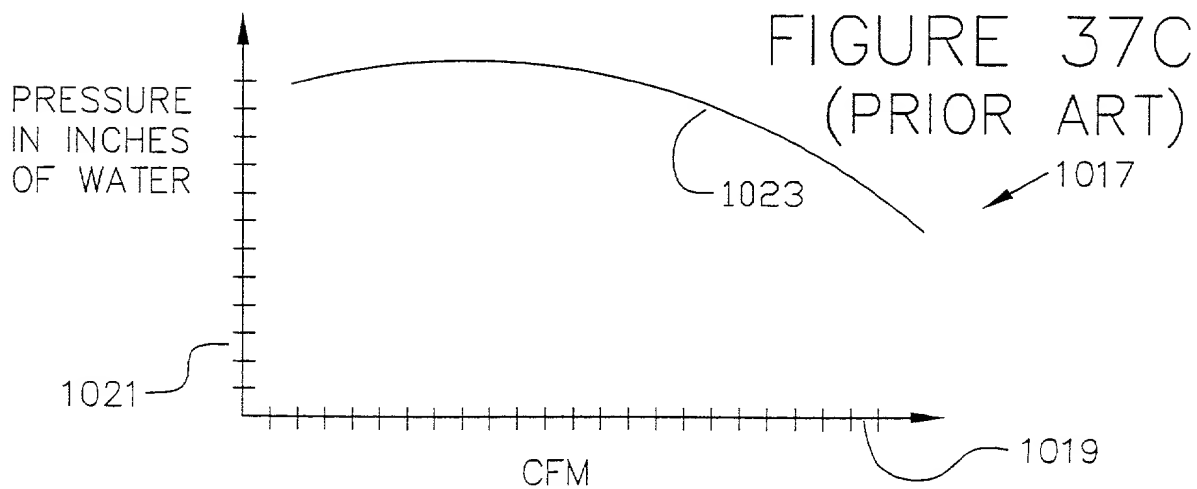


FIGURE 37C  
(PRIOR ART)

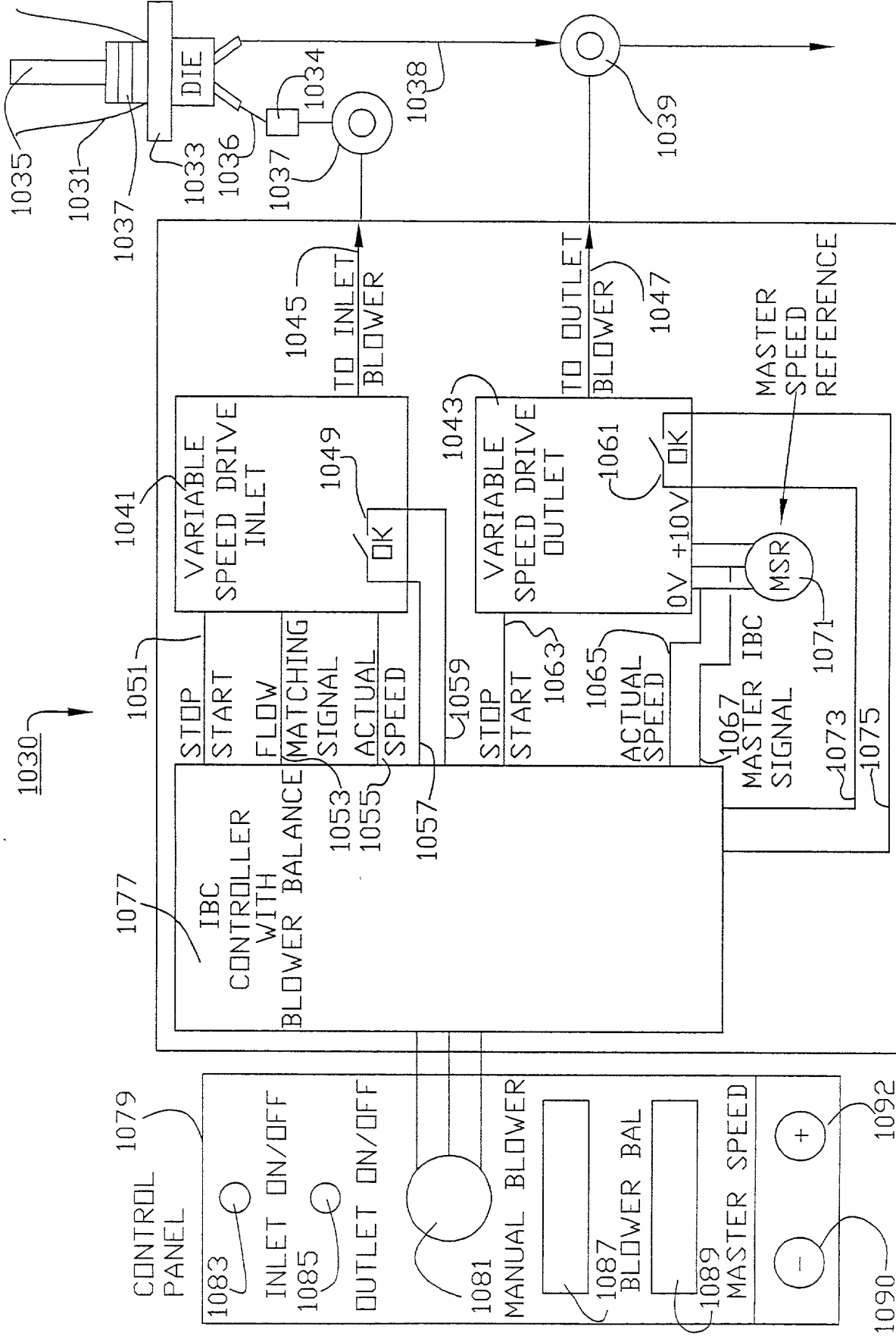


FIGURE 37D

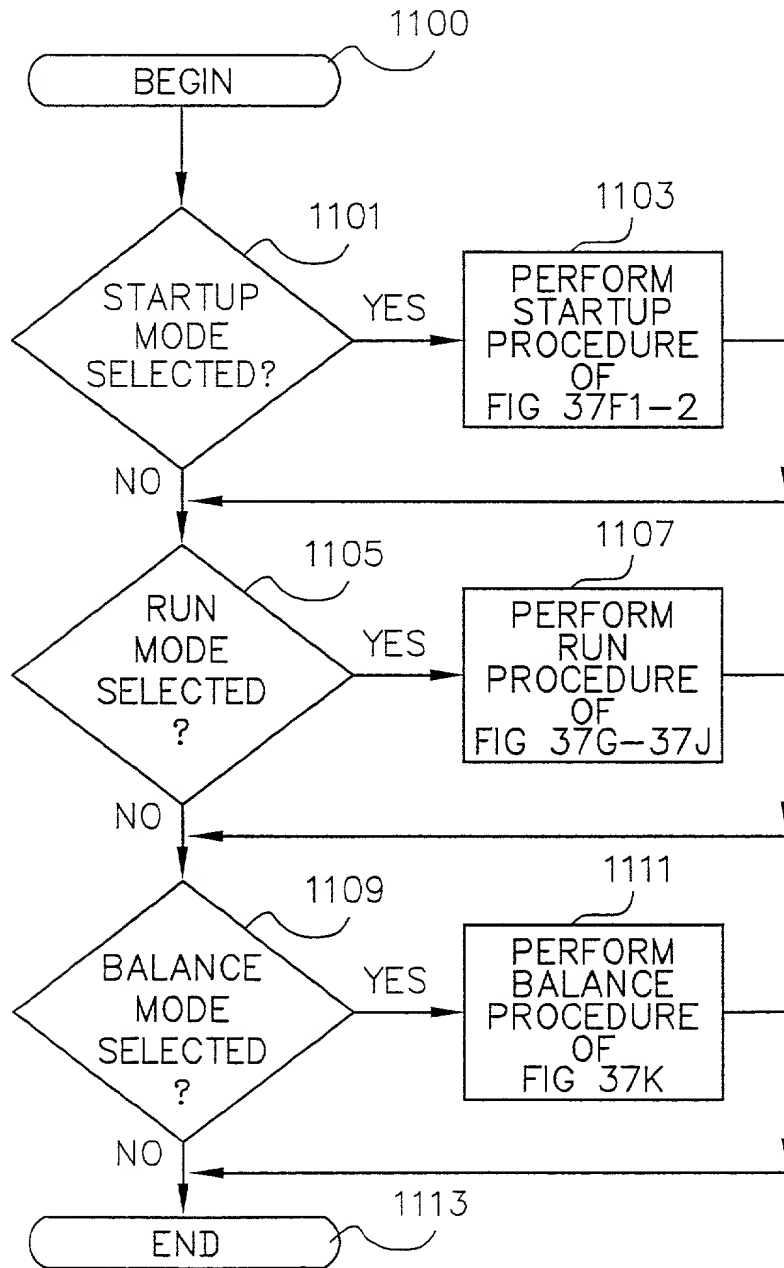


FIGURE 37E

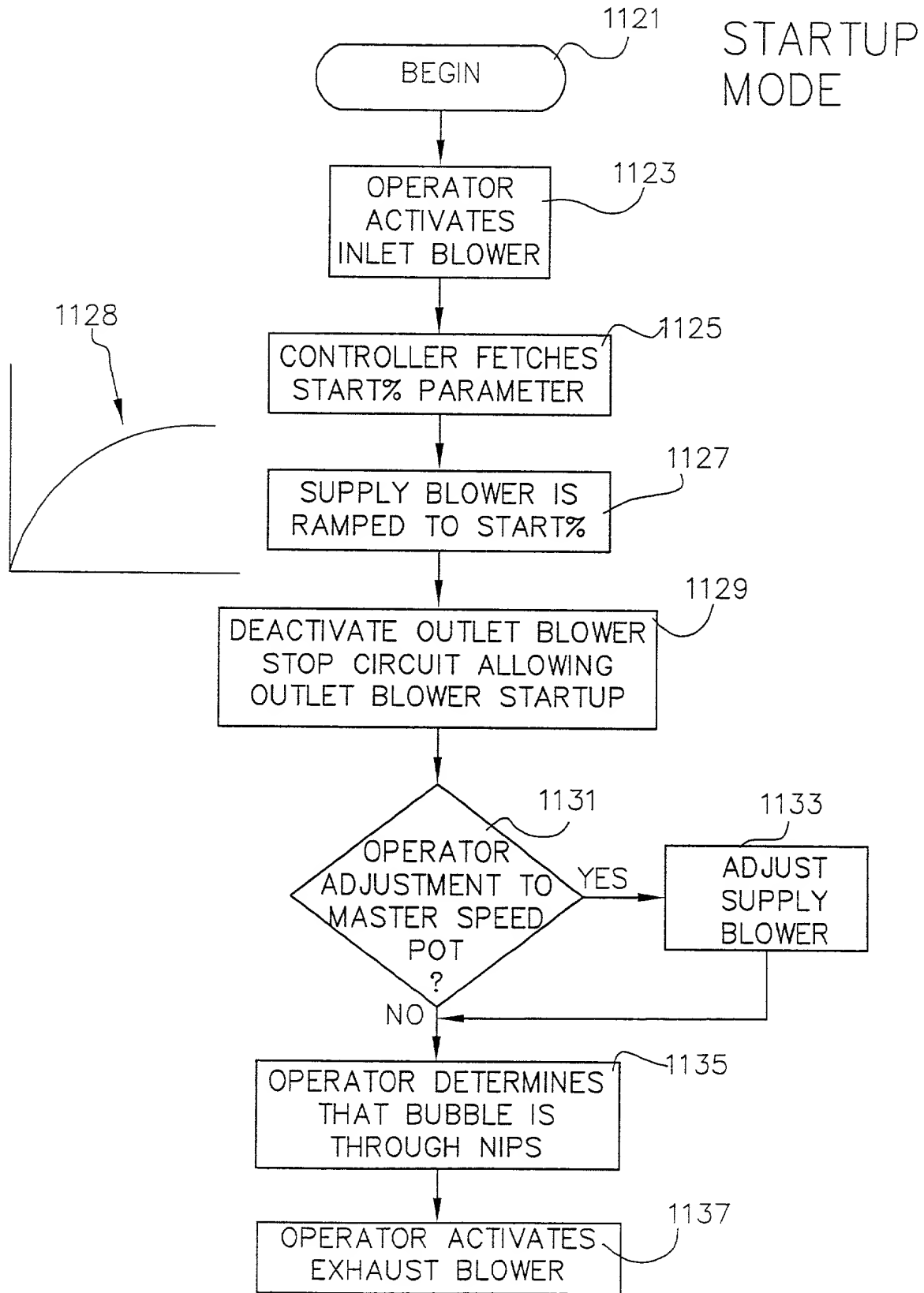


FIGURE 37F1



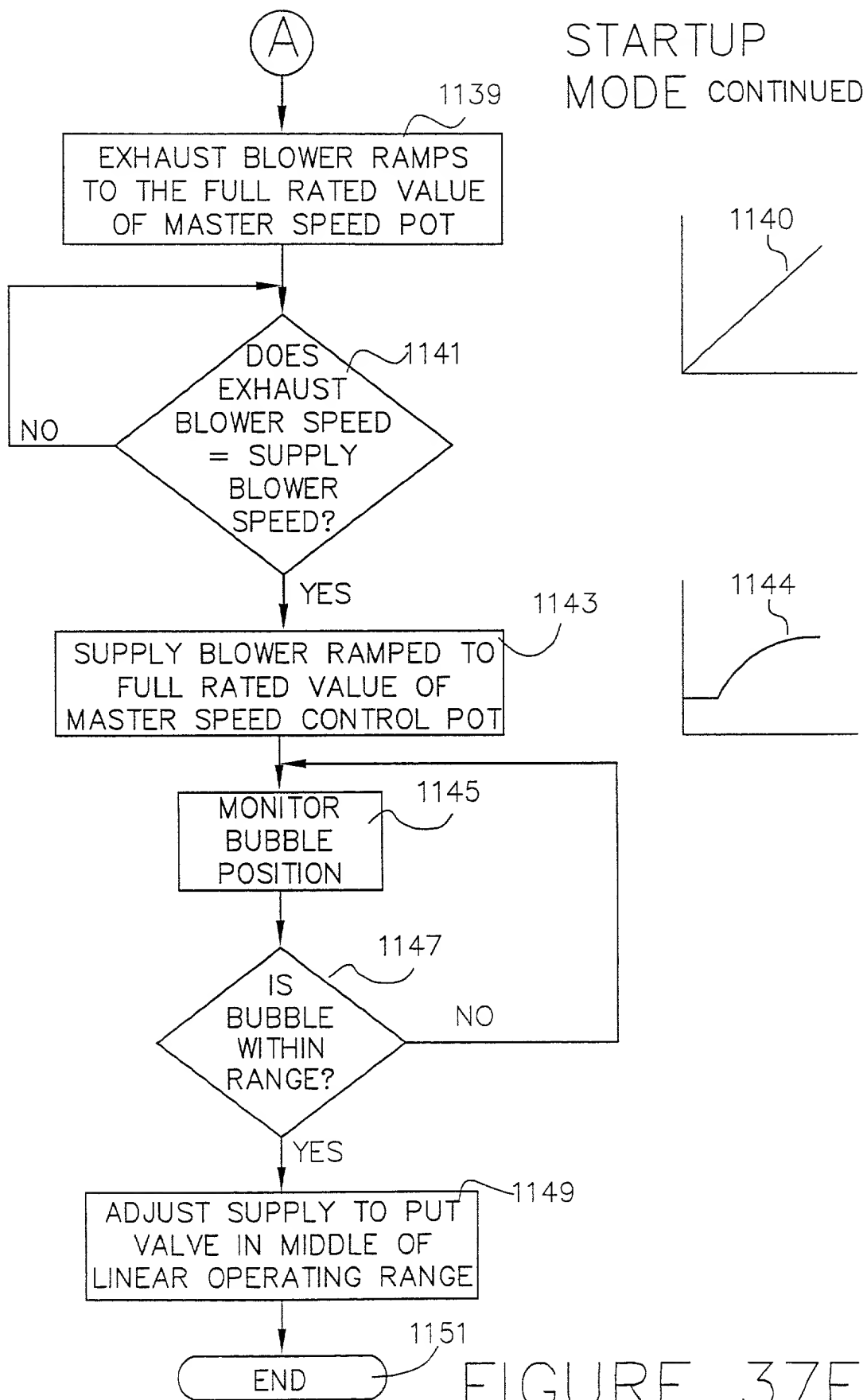


FIGURE 37F2

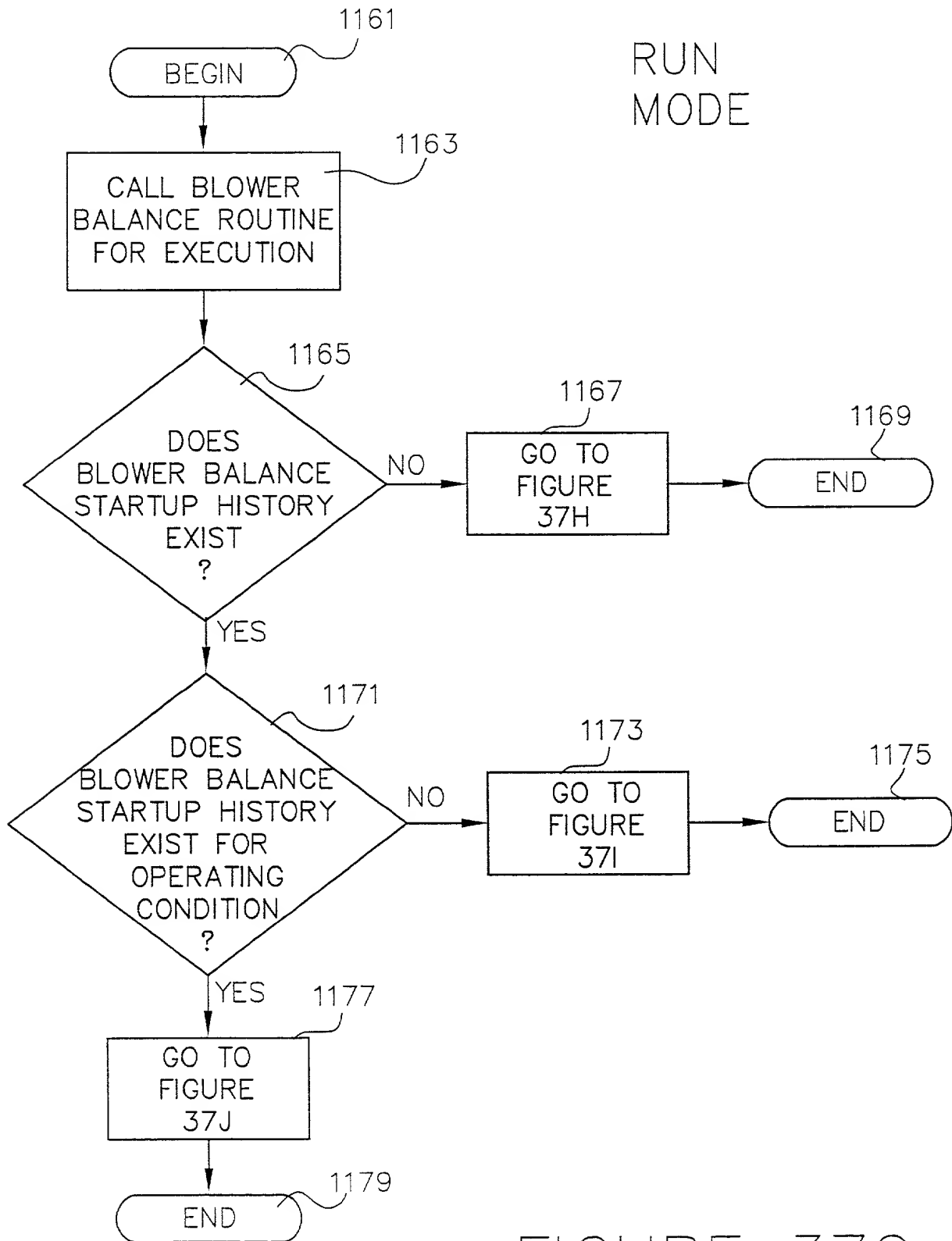


FIGURE 37G

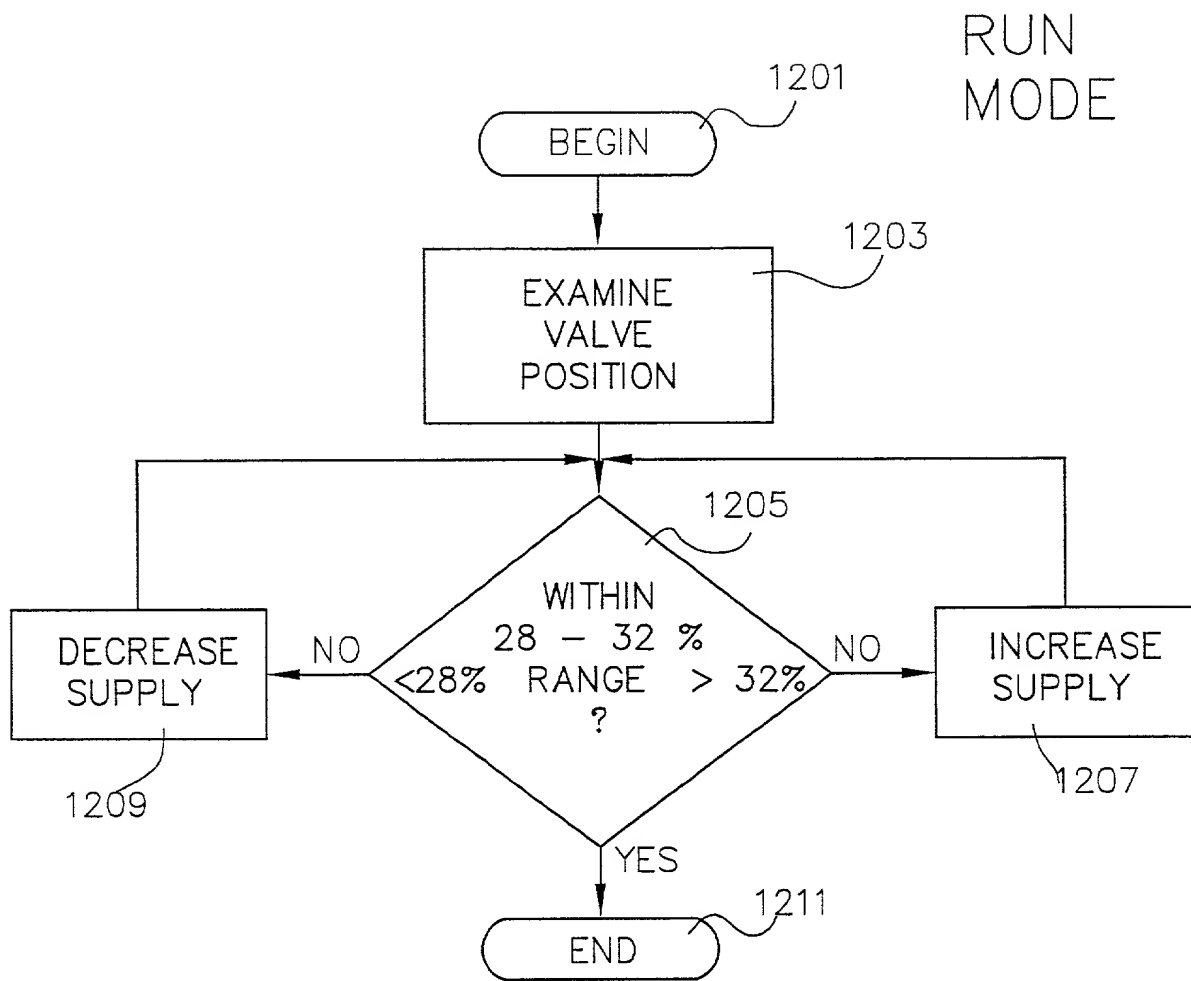


FIGURE 37H

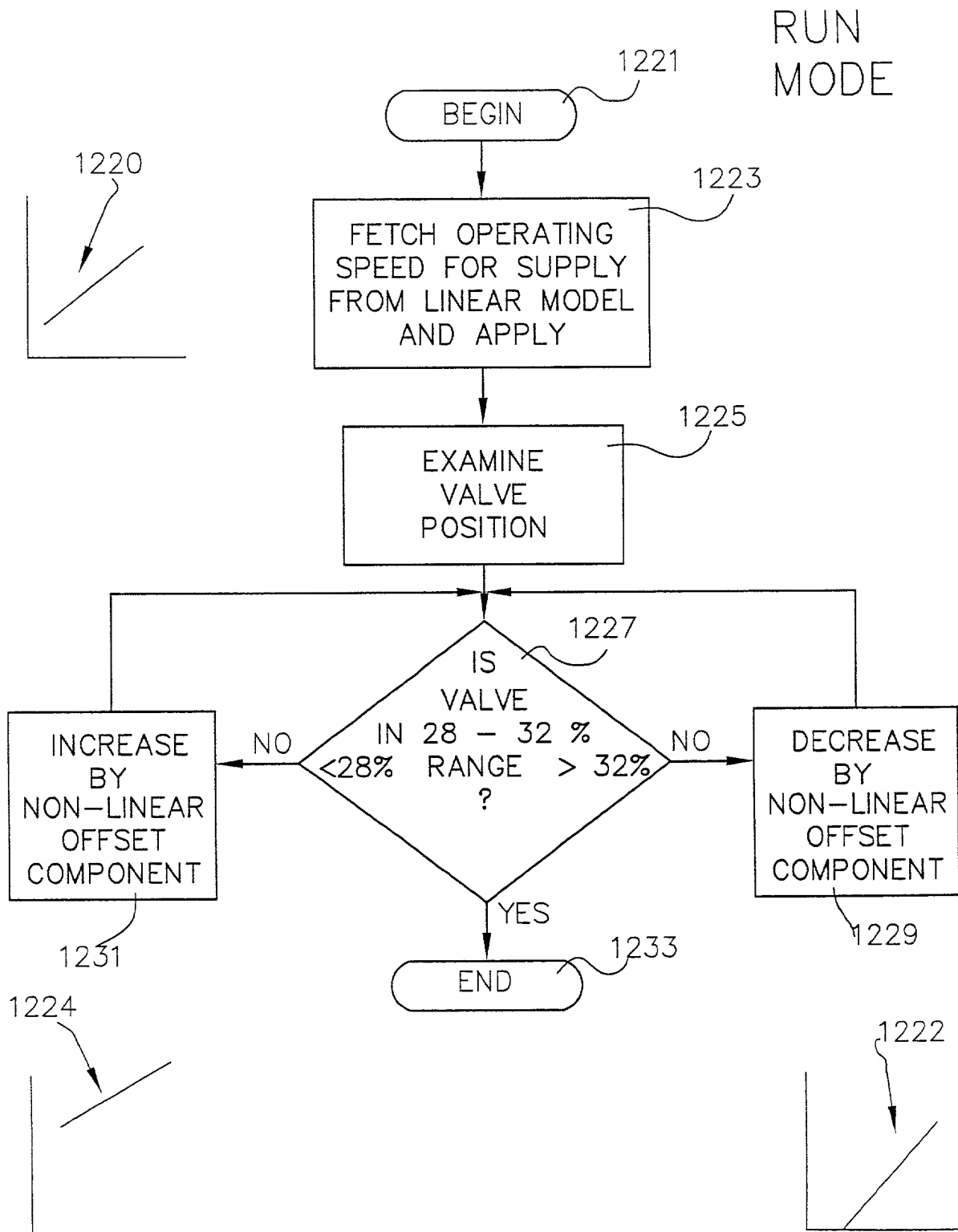


FIGURE 371

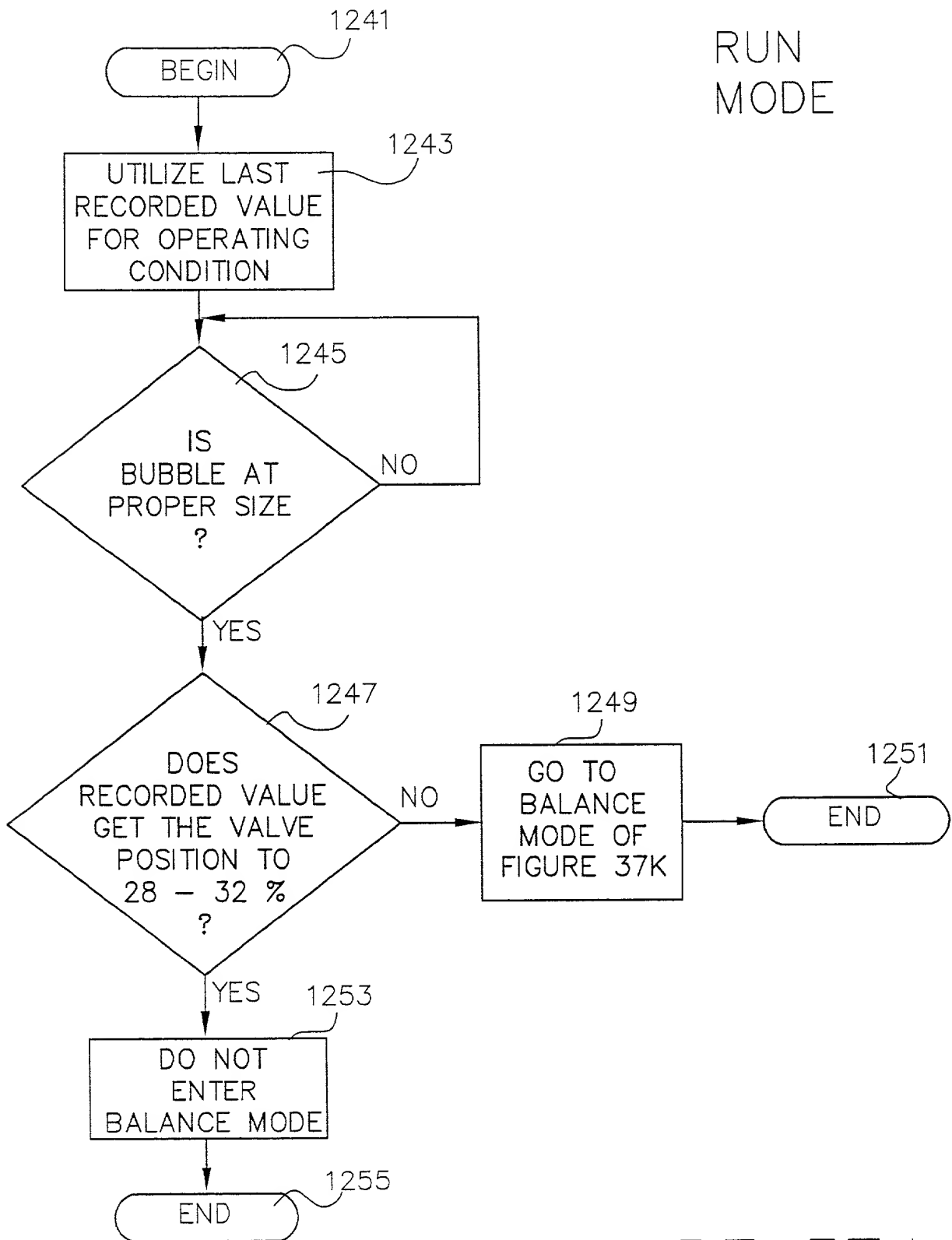


FIGURE 37J

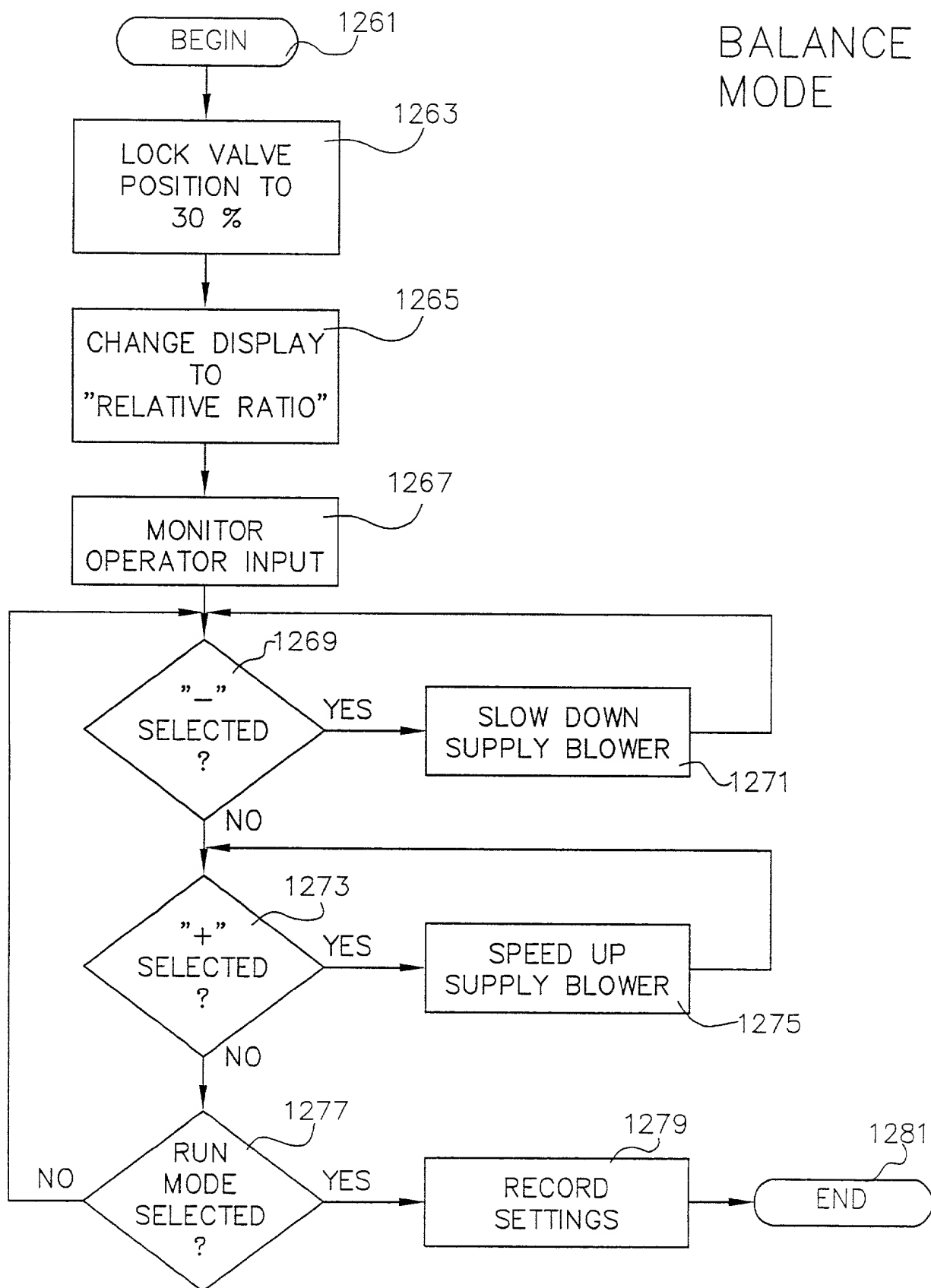


FIGURE 37K

| 1301<br>MASTER SPEED<br>POT<br>SETTING | 1303<br>SUPPLY<br>SPEED                | 1305<br>REFERENCE<br>VOLTS             |
|--|--|--|
| A%<br>B%<br>◦<br>◦<br>◦<br>◦<br><br>Z% | AC<br>AG<br>◦<br>◦<br>◦<br>◦<br><br>AM | BD<br>BF<br>◦<br>◦<br>◦<br>◦<br><br>BX |

FIGURE 37L

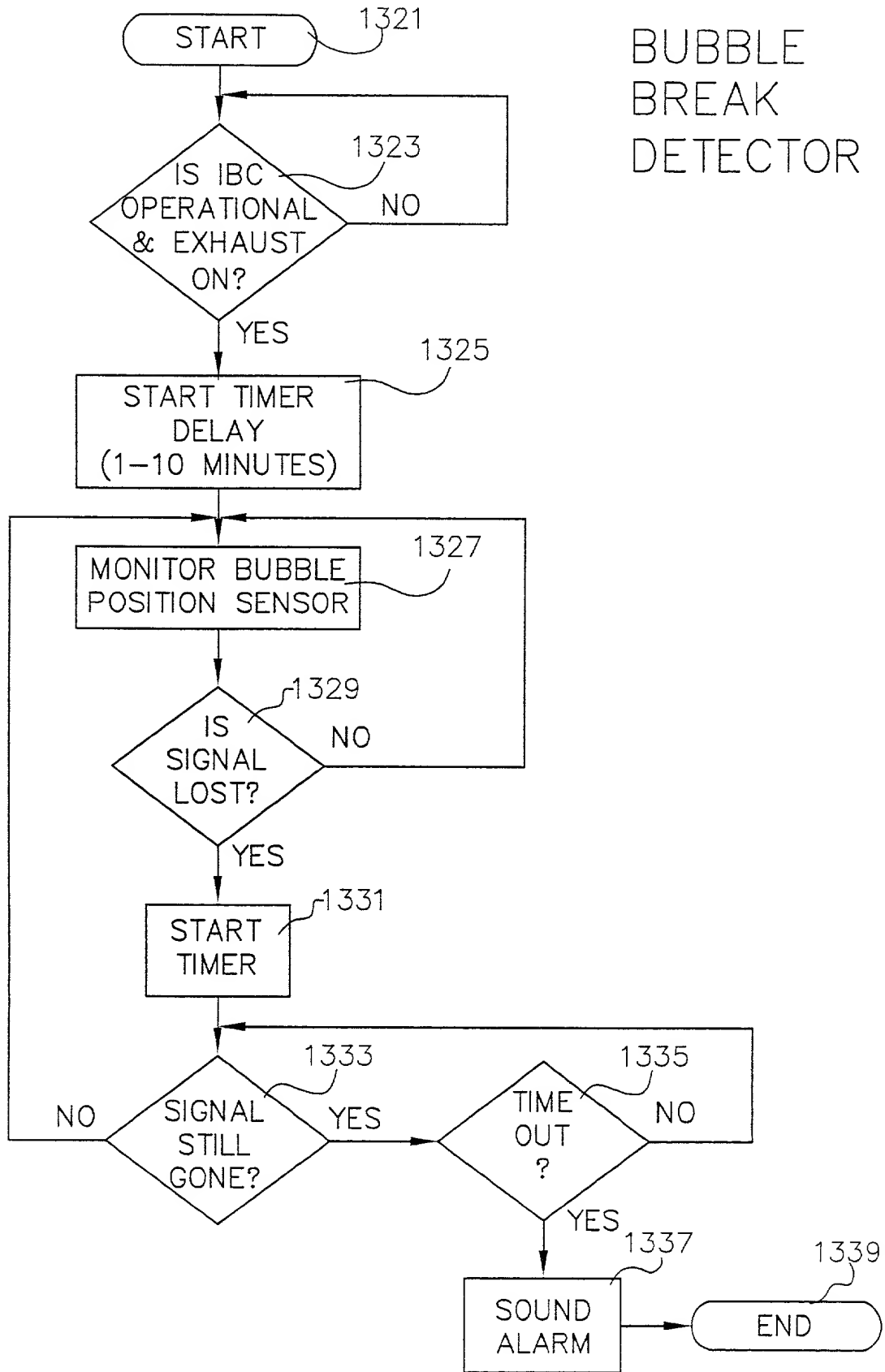


FIGURE 37M